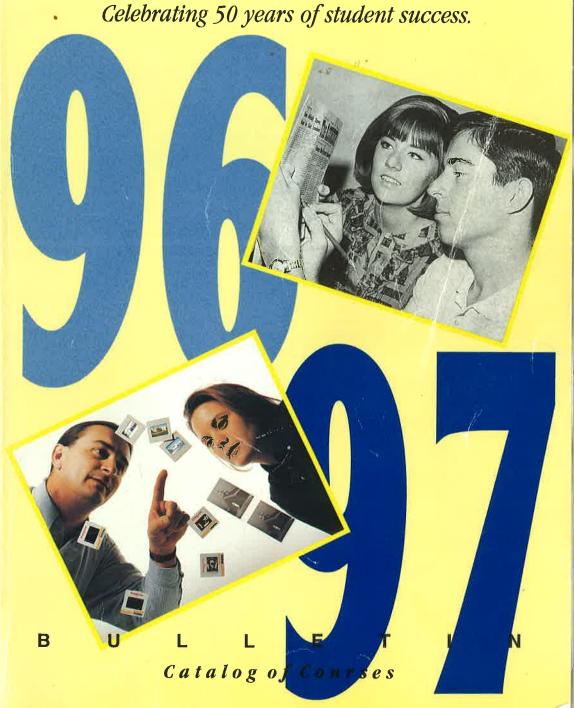
Odessa College

1 9 4 6 - 1 9 9 6





Volume 50, Number 2

March 1996

Odessa College Bulletin (468190) published six times per year: twice in March, once in April and August and twice in November by Odessa College Media Relations and Publications Office, 201 W. University, Odessa, TX 79764. Second class postage paid at Odessa, Texas.

POSTMASTER: Send address changes to Odessa College, 201 W. University, Odessa, TX 79764. Phone (915)335-6400.

Information and regulations printed in this bulletin are subject to change. The Board of Trustees and the administrative staff may revise programs, courses, tuition, fees or any information stated in this bulletin.

Design and editing by the Odessa College Media Relations and Publications Staff.

An Equal Opportunity College Odessa College does not discriminate on the basis of sex, race, color, national origin, disability or age.

Odessa College Bulletin CATALOG OF COURSES

1996-1997

TABLE OF CONTENTS

College Calendar	2-3
Statement of Purpose	4-5
City of Odessa	6
Degrees and Certificates	7-9
Accreditation	10
Admissions and Registration	11-20
Costs and Student Financial Services	21-29
Academic and Class Information	30-42
Instructional Support and Special Programs	43-49
Student Life and Service Activities	50-54
Instructional Programs	55-262
Staff	263-273
Index	274-277
Man	279

			-	990	_		·	
	5 12 19 26	6 13 20 27	7 14 21 28	W 1 8 15 22 29	7 2 9 16 23 30	F 3 10 17 24 31	\$ 4 11 18 25	Advand Registr First C Late R Last D Holida
			J	lune	•			Final E
	s	M	T	w	T	F	8	(Duri
	9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	Summ Advand Add/Di Last Di
			,	July	,			Holiday Regist
	7 14 21 28	M 1 8 15 22 29	7 2 9 16 23 30	W 3 10 17 24 31	T 4 11 18 25	5 12 19 26	\$ 6 13 20 27	Classe Late R Last D Last D Holida Last C Final E
	s	м	A) T	ugu w	SI T	F	s	Summ
	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31	Advan Add/D Last D Regist Classe
			Sep	ten	be	r		Late R
	\$ 1 8 15 22 29	M 2 9 16 23 30	T 3 10 17 24	W 4 11 18 25	7 5 12 19 26	6 13 20 27	\$ 7 14 21 28	Last D Last C Final E
			Oc	tob	er			Applica Advan Add/D
	6 13 20 27	7 14 21 28	T 1 8 15 22 29	W 2 9 16 23 30	T 3 10 17 24 31	F 4 11 18 25	5 12 19 26	Payme Nine M Regist
			Νον	/em	ber			Classe Late R
	8	M	T	w	T	F	S	Last D Holida
	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	Twelfth Deadli Staff D Last D
1			Dec	:em	ber	•		Thank Advan
	\$ 1 8 15 22 29	9 16 23 30	3 10 17 24 31	W 4 11 18 25	5 12 19 26	6 13 20 27	\$ 7 14 21 28	Add/D Last C Final E End of College

1996-97 COLLEGE CALENDAR

MAY SEMESTER 1996				
Advance Registration	April 23-25 (Tues-Thurs)			
Registration	May 13 (Mon)			
First Class Day				
Late Registration 8-9 a.m.				
Last Day to Drop With a "W"				
Holiday (Memorial Day)				
	* <u>*</u>			

Last Day to Dr	op With a "W"	May 23 (Thur
Holiday (Memo	orial Day)	May 27 (Mor
Final Exams, E	End of Term	May 28 (Tue:
	SUMMER 199	6
(During the s	rummer, Odessa College oper	- rates on a four-day week and
paing and	closes on Frida	עומיי
Summer I	acces on man	<i>"</i>
Advance Regi	stration	April 23-25 (Tues-Thur
Add/Dron		April 23-25 (Tues-Thur
Loct Dov to Bo	y for Advance Registration	Aday 20 (May
Haliday (Mam	orial Day)	May 27 (Mor
Profice (Mem	onai Day)	
	• • • • • • • • • • • • • • • • • • • •	
Classes Begin		May 30 (Thun
Late Registrati	ion	May 30-June 3 (1 nurs-Mor
Last Day for S	chedule Changes	June 3 (Mor
Last Day to Dr	op With a "W"	June 26 (Wed
Holiday	•	July 4 (Thur
Last Class Day	y	July 8 (Mor
Final Exams, (End of Term	July 9 (Tue:
Commence on II		
Summer II	-AAi	Amil 02 OF (Tues Thus
Advance Hegi	stration	April 23-25 (Tues-Thur
Add/Drop		April 23-25 (Tues-Thur
Last Day to Pa	ay for Advance Registration	July 1 (Moi
Registration		July 10 (We
Classes Begin	1	July 11 (Thur
Late Registrate	on	July 11-15 (Thurs-Moi
Last Day for S	chedule Changes	July 11 (Thur
Last Day to Dr	op or Withdraw With a "W"	Aug 6 (Tue
Last Class Da	y	Aug 15 (Thur
Final Exam, E	nd of Term	Āug 16 (F
	FALL 1996	
Application De	adline for Advance Registration	onlulv 18 (Thur
Advance Regi	stration	July 29-Aug 1 (Mon-Thur
Add/Des for /	J. 44071	tule 20 Aug 1 (Mon Thur
	Advance Registration	
Payment Door	Advance Registration	July 29-Aug I (Mon-Thur.
Payment Dead	dline for Advance Registration	1 Aug 8 (Thur
Payment Dead Nine Month Fa	dline for Advance Registration aculty Return	n Aug 8 (Thur Aug 19 (Mo
Payment Dead	dline for Advance Registration aculty Return(K-Z)	nAug 8 (Thur Aug 19 (Mo Aug 20 (Tue
Payment Dead Nine Month Fa	dline for Advance Registration aculty Return(K-Z)(K-Z)	Aug 8 (Thur Aug 19 (Moi Aug 20 (Tue: Aug 21 (Wei
Payment Dear Nine Month Fa Registration	dline for Advance Registration aculty Return(K-Z)(A-L)(A-L)(AIL) 1-7 p.m. only	Aug 8 (Thur Aug 19 (Mo Aug 20 (Tue Aug 21 (We Aug 22 (Thur
Payment Dear Nine Month Fa Registration Classes Begin	dline for Advance Registration aculty Return(K-Z)(A-L)(A-L)(AIL) 1-7 p.m. only	Aug 8 (Thur Aug 19 (Mor Aug 20 (Tue Aug 21 (We Aug 22 (Thur Aug 26 (Mor
Payment Dead Nine Month Fa Registration Classes Begin Late Registrati	dline for Advance Registration aculty Return	Aug 8 (Thur Aug 19 (Mo Aug 20 (Tue Aug 21 (We Aug 22 (Thur Aug 26 (Mo Aug 26 (Mo
Payment Dear Nine Month Fa Registration Classes Begin Late Registrati Last Day for S	dline for Advance Registration aculty Return (K-Z) (A-L) (All) 1-7 p.m. only indicates the control of the contr	Aug 8 (Thur Aug 19 (Mon-Faug 20) (Tue Aug 21 (We Aug 22 (Thur Aug 26 (Mon-Faug 26) (Mon-Faug 30) (Mon-Faug 30)
Payment Dear Nine Month Fa Registration Classes Begin Late Registrati Last Day for S	dline for Advance Registration aculty Return (K-Z) (A-L) (All) 1-7 p.m. only indicates the control of the contr	Aug 8 (Thur Aug 19 (Mon-Faug 20) (Tue Aug 21 (We Aug 22 (Thur Aug 26 (Mon-Faug 26) (Mon-Faug 30) (Mon-Faug 30)
Payment Dear Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor	dline for Advance Registration aculty Return (K-Z) (A-L) (All) 1-7 p.m. only indicates the conference of the conference	Aug 8 (Thur Aug 19 (Mon Aug 20 (Tue Aug 21 (We Aug 22 (Thur Aug 26 (Mon Aug 26-30 (Mon-F Aug 30 (F
Payment Dear Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class	dline for Advance Registration aculty Return (K-Z) (A-L) (All) 1-7 p.m. only invischedule Changes r Day) Day	Aug 8 (Thur Aug 19 (Mod Aug 20 (Tue Aug 21 (We Aug 22 (Thur Aug 26 (Mod Aug 26 (Mon- Aug 30 (F Sept 2 (Mod Sept 11 (We
Payment Dear Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class Deadline for F Staff Develoor	dline for Advance Registration aculty Return	Aug 8 (Thur Aug 19 (Moi Aug 20 (Tues Aug 21 (Wes Aug 22 (Thur Aug 26 (Moi Aug 26 (Moi Aug 30 (Fi Sept 2 (Moi Sept 11 (Wes Sept 27 (Fi
Payment Dear Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class Deadline for F Staff Develoor	dline for Advance Registration aculty Return	Aug 8 (Thur Aug 19 (Moi Aug 20 (Tues Aug 21 (Wes Aug 22 (Thur Aug 26 (Moi Aug 26 (Moi Aug 30 (Fi Sept 2 (Moi Sept 11 (Wes Sept 27 (Fi
Payment Deal Nine Month Fa Registration Classes Begin Late Registrat Last Day for S Holiday (Labor Twelfth Class Deadline for F Staff Developr Last Day to Dr	dline for Advance Registration aculty Return	Aug 8 (Thur Aug 19 (Mod Aug 20 (Tue Aug 21 (Wed Aug 22 (Thur Aug 26 (Mod Aug 26-30 (Mon-F Aug 30 (Fod Sept 11 (Wed Sept 27 (Fod Oct 18 (Fod
Payment Dear Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class Deadline for S Eaff Developr Last Day to Dr Thanksgiving I	dline for Advance Registration aculty Return (K-Z) (A-L) (All) 1-7 p.m. only cion/Schedule Changes chedule Changes by 2 pm r Day) all Degree Application ment (No Classes) op or Withdraw with a "W" Holiday	Aug 8 (Thur Aug 19 (Mon Aug 19 (Mon Aug 20 (Tue: Aug 21 (Wei Aug 22 (Thur Aug 26 (Mon Aug 26-30 (Mon Aug 30 (F Sept 11 (Wei Sept 27 (F) Nov 7 (Thur Nov 27-30 (Wed-Sa
Payment Dead Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class Deadline for F Staff Developr Last Day to Dr Thanksgiving I Advance Regi	dline for Advance Registration aculty Return (K-Z) (A-L) (All) 1-7 p.m. only clon/Schedule Changes chedule Changes by 2 pm r Day) Day all Degree Application ment (No Classes) nop or Withdraw with a "W" Holiday stration for Spring/Midwinter	Aug 8 (Thur Aug 19 (Mon Aug 19 (Mon Aug 20 (Tue Aug 21 (We Aug 22 (Thur Aug 26 (Mon Aug 26-30 (Mon Aug 30 (F Sept 2 (Mon Sept 11 (We Sept 27 (F Nov 7 (Thur Nov 77-30 (Wed-Sa Dec 2-6 (Mon F)
Payment Dead Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class Deadline for F Staff Develop Last Day to Dr Thanksgiving I Advance Regi Add/Drop for S	dline for Advance Registration aculty Return (K-Z) (A-L) (All) 1-7 p.m. only clon/Schedule Changes chedule Changes by 2 pm r Day) Day all Degree Application ment (No Classes) rop or Withdraw with a "W" Holiday stration for Spring/Midwinter Spring/Midwinter Reg	Aug 8 (Thun- Aug 19 (Moi Aug 19 (Moi Aug 20 (Tue: Aug 21 (Wer Aug 22 (Thun- Aug 26 (Moi Aug 26 (Moi Aug 30 (Fi Sept 2 (Moi Sept 11 (Wer Sept 27 (Fi Oct 18 (Fi Nov 7-30 (Wed-Sa Dec 2-6 (Mon-Fi gistration Dec 2-6 (Mon-Fi
Payment Dear Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class Deadline for F Staff Developr Last Day to Dr Thanksgiving I Advance Regi Add/Drop for S Last Class Day	dline for Advance Registration (Caculty Return (K-Z) (A-L) (Aug 8 (Thurn Aug 19 (Mon Aug 19 (Mon Aug 20 (Tue: Aug 21 (Wer Aug 22 (Thurn Aug 26 (Mon-Fi Aug 30 (Fi Aug 30 (Mon-Fi Aug 30 (Wed-Sa Aug 30 (
Payment Dead Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class Deadline for F Staff Developr Last Day to Dr Thanksgiving I Advance Regi Add/Drop for S Last Class Day Final Exams	dline for Advance Registration (K-Z) (A-L) (A-L) (All) 1-7 p.m. only only chedule Changes chedule Changes by 2 pm or Day all Degree Application ment (No Classes) on Withdraw with a "W" Holiday stration for Spring/Midwinter Regy (Midwinter	Aug 8 (Thurn Aug 19 (Mon Aug 19 (Mon Aug 21 (Wen Aug 21 (Wen Aug 22 (Thurn Aug 26 (Mon-Fi Aug 30 (Fin Mon Aug 26 (Mon Sept 11 (Wen Sept 27 (Fin Mor 7 (Thurn Nov 27-30 (Wed-Sa Dec 2-6 (Mon-Fi Gistration Dec 2-6 (Mon-Fi Dec 13 (Fin Dec 13 (Fin Dec 16-19 (Mon-Thurn Dec 16 (Mon-Thurn D
Payment Dead Nine Month Fa Registration Classes Begin Late Registrati Last Day for S Holiday (Labor Twelfth Class Deadline for F Staff Developr Last Day to Dr Thanksgiving I Advance Regiving I Add/Drop for S Last Class Day Final Exams End of Semes	dline for Advance Registration (Caculty Return (K-Z) (A-L) (Aug 8 (Thurn Aug 19 (Mon Aug 19 (Mon Aug 20 (Tue: Aug 21 (Wer Aug 22 (Thurn Aug 26 (Mon-Fi Aug 30 (Fi Aug 30 (

Advance Registration Dec 2-6 (Mon-Fri)		199	97
Registration 8-10 a.m Dec 30 (Mon)	1	Janu	1977
First Class Day Dec 30 (Mon)		Janu	iai y
foliday Jan 1 (Wed)	8 M	T W	T F 2 3
ast Day to Drop or Withdraw With a "W"Jan 7 (Tues)	5 6	7 8	9 10
Final Exams, End of TermJan 11 (Sat)	12 13		16 17
SPRING 1997	19 20 26 27	21 22 28 29	23 24 30 31
Application Deadline for Advance RegistrationNov 22 (Frl)			
Advance Registration Dec 2-6 (Mon-Fri)		Febru	uarv
Add/Drop for Advance Registration	8 4	T W	· ,
Offices Open/12 Month Faculty Return	S M	, w	. r
ayment Deadline for Advance Registration Jan 9 (Thurs)	2 3	4 5	6 7
Vine Month Faculty ReturnJan 13 (Mon)	9 10 16 17		13 14 20 21
	23 24		27 28
• • • • • • • • • • • • • • • • • • • •			
(K-Z)Jan 15 (Wed)	1	Mar	ch
(All) 1-7 p.m. only	S M	T W	TF
Holiday (Martin Luther King Day)	1		
Classes Begin	9 10	4 5 11 12	6 7 13 14
Late Registration/Schedule Changes	16 17		20 21
Last Day for Schedule Changes by 2 p.m	23 24	25 26	27 28
Deadline for Spring Degree Application Feb 21 (Fri)	30 31		
Spring BreakMar 10-14 (Mon-Fri)		Ap	ril
Holiday (Good Friday)		•	
ast Day to Drop or Withdraw With a "W"Apr 3 (Thurs)	S M	T W	T F
Advance Registration for Summer I & II Apr 22-24 (Tues-Thurs)	6 7	8 9	10 11
Add/Drop for Summer I & II Advance Registration Apr 22-24 (Tues-Thurs)	13 14 20 21		17 18
.ast Class Day May 9 (Fri)	20 21	22 23 29 30	24 25
Final Exams May 12-15 (Mon-Thurs)	J		
Graduation Day May 16 (Fri)	1	Ma	y
O1 11 11 12 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14			
<u>SUMMER 1997</u>	8 M	T W	T F
Summer!	8 M 4 5	6 7	1 2
Summer I Advance RegistrationApr 22-24 (Tues-Thurs)	11 12	6 7 13 14	1 2 8 9 15 16
Summer ! Advance Registration	11 12	6 7 13 14 20 21	1 2 8 9 15 16 22 23
Advance Registration		6 7 13 14	1 2 8 9 15 16
Advance Registration	11 12	6 7 13 14 20 21	1 2 8 9 15 16 22 23 29 30
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28	1 2 8 9 15 16 22 23 29 30
Advance Registration	11 12 18 (19 25 26 S M 1 2	6 7 13 14 20 21 27 28 Jur T W 3 4	1 2 8 9 15 16 22 23 29 30 1 e T F 5 6
Advance Registration	11 12 18 (19 25 26 S M 1 2 8 9	6 7 13 14 20 21 27 28 Jur T W 3 4 10 11	1 2 8 9 15 16 22 23 29 30 1E T F 5 6 12 13
Advance Registration	11 12 18 (19 25 26 S M 1 2	6 7 13 14 20 21 27 28 Jur T W 3 4 10 11	1 2 8 9 15 16 22 23 29 30 10 T F 5 6 12 13 19 20
Advance Registration	11 12 18 (19 25 26 S M 1 2 8 9 15 16	6 7 13 14 20 21 27 28 Jur T W 3 4 10 11 17 18	1 2 8 9 15 16 22 23 29 30 10 T F 5 6 12 13 19 20
Advance Registration	11 12 18 (19 25 26 S M 1 2 8 9 15 16 22 23	6 7 13 14 20 21 27 28 Jur T W 3 4 10 11 17 18 24 25	1 2 8 9 15 16 22 23 29 30 10 T F 5 6 12 13 19 20 26 27
Advance Registration	11 12 18 (19 25 26 S M 1 2 8 9 15 16 22 23	6 7 13 14 20 21 27 28 Jur T W 3 4 10 11 17 18	1 2 8 9 15 16 22 23 29 30 1e
Advance Registration	11 12 18 (19 25 26 S M 1 2 8 9 15 16 22 23	6 7 13 14 20 21 27 28 Jur T W 3 4 10 11 17 18 24 25 Jul T W	1 2 8 9 15 15 16 22 23 29 30 16 T F 6 12 13 19 20 26 27
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jur T W 3 4 10 11 17 18 24 25 Jul T W 1 2	1 2 8 9 15 15 16 22 23 29 30 1e T F 5 6 12 13 19 20 26 27 ly
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jur T W 3 4 10 11 17 18 24 25 Jul T W	1 2 8 9 15 15 16 22 23 29 30 16 T F 6 12 13 19 20 26 27
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jur T W 1 2 25 Jul T W 1 2 8 9 15 16 16 22 23	1 2 8 9 15 15 16 22 23 29 30 1e T F 5 13 19 20 26 27 17 F 3 4 10 11 17 18 24 25
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jur 1 1 2 8 9 9 15 16	1 2 8 9 15 16 22 23 29 30 16 T F 5 6 12 13 19 20 26 27 T F 3 4 10 11 17 18
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jur T W 3 4 4 10 11 17 18 24 25 Jul T W 1 2 2 8 9 15 16 22 23 30	1 2 8 9 15 15 16 22 23 29 30 10 T F 5 6 12 13 19 20 28 27 T F 3 4 10 11 17 18 24 25 31
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jur 17 18 24 25 Jul 15 16 22 23 29 30 Aug	1 2 8 9 15 15 16 22 23 29 30 10 T F 5 6 12 13 19 20 28 27 T F 3 4 10 11 17 18 24 25 31
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jur T W 3 4 4 10 11 17 18 24 25 Jul T W 1 2 2 8 9 15 16 22 23 30	1 2 8 9 15 15 16 22 23 29 30 10 T F 5 6 12 13 19 20 26 27 T F 3 4 10 11 17 18 24 25 31 UST F F
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jur 17 18 24 25 Jul 15 16 22 23 29 30 Aug	1 2 8 9 16 12 23 29 30 10 C T F 6 12 13 19 20 26 27 1
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jul 17 18 24 25 Jul 17 18 22 29 30 Aug T W 5 6 12 13	1 2 8 9 16 15 16 22 23 30 10 T F 6 12 13 19 20 27 28 27 V T F 3 4 10 11 17 18 24 25 31 T F 7 8 14 15 15
Advance Registration	11 12 18 (19 25 26	6 7 13 14 20 21 27 28 Jul 17 18 24 25 Jul 17 18 22 23 29 30 Aug T W 5 6 12 13 19 20	1 2 8 9 16 12 23 29 30 10 T F 6 12 13 19 20 26 27 V T F 3 4 10 11 17 18 24 25 31 T F 7 8 14 15 15 15 15 15 15 15 15 15 15 15 15 15

ODESSA COLLEGE STATEMENT OF PURPOSE

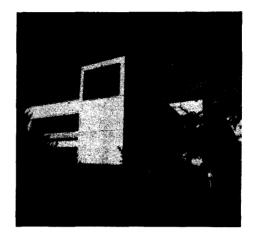
The Board of Trustees of the Odessa Junior College District (hereinafter called OC), in compliance with the Criteria for Accreditation of the Southern Association of Colleges and Schools, formalizes the beliefs, philosophy, goals, and objectives of OC with approval and publication of this document. This formal Statement of Purpose provides the core around which all institutional programs are built. Institutional planning and evaluation processes demonstrate a commitment from Board members, administration, faculty, and staff to the tenets expressed in this statement.

HISTORICAL BACKGROUND

The past of Odessa College, which will celebrate its 50th anniversary during the 1996-97 school year, is interwoven with growth and progress. A review of its history reveals a success story of a public institution that has maintained the community college spirit and has grown by serving the people of Ector County and the Permian Basin. Beginning with 184 students in 1946, OC has grown steadily through the last 50 years. During a long semester, more than 4,700 students are enrolled in university-parallel and occupational/technical credit courses. During a year, more than 7,600 people also enroll in one or more continuing education courses.

Many university-parallel courses are offered for students planning to complete four-year degrees at senior colleges or universities and are freely transferable. Former OC students have a phenomenal record of success in the fields of accounting, law, medicine, music, public administration and teaching.

More than 30 occupational/technical programs also are offered, and additional ones are planned to meet the needs of citizens who want to learn new or improve existing skills. With an average of forty-five percent of our students enrolled in occupational/technical programs, OC continues to fulfill the workforce demands of our community.



Initially housed in temporary quarters in the old Odessa High School, OC's first classes were conducted after public school hours in late afternoons and evenings. Ector County taxpayers purchased a five-acre plot in the 2500 block of the Andrews Highway and in 1949 authorized the building of Baskin Hall, the first permanent structure.

The campus grew to 15 buildings on a 35acre plot by 1960. Today, the \$55 million campus spreads over 80 acres and includes some 25 buildings that house more than 150 classrooms, laboratories and other facilities.

OC boasts a \$7 million Sports Center with more than 110,000 square feet of floor space that houses athletics, physical education and community recreation activities. The college also is home to public television station KOCV-TV and public radio station KOCV-FM.

Odessa College has not only expanded its facilities, but has also expanded its educational services to much of West Texas. The OC service area now covers over 20,000 square miles, making it the largest service area for any community college in Texas. OC offers extension courses and/or Adult Basic Education courses in thirteen towns as well as offering concurrent classes in six area high schools.

As the college has grown, so has its effectiveness. Quality education and academic excellence have long been its hallmarks. As our community and service area needs change, Odessa College will restructure its programs to better serve its constituents.

VISION

Odessa College will become an institution that is student centered, both in its philosophy and its operation. All components of the institution will focus on how best to serve the needs of the student — traditional, non-traditional, oncampus, or off-campus. The institution will accept a student at whatever level he/she enters and advance him/her as far along the learning spectrum as the student desires.

MISSION AND PURPOSE

Odessa College is a comprehensive community college. Our mission as trustees, administrators, faculty, and staff at Odessa College is to provide the finest educational opportunities possible for all residents of our fourteen-county service area who have the desire and ability to learn.

In accordance with our mission, OC's educational programs and services are designed to help people achieve their individual potential, to enrich their lives, and to become responsible and productive members of society. Thus, Odessa College exists for the following purposes:

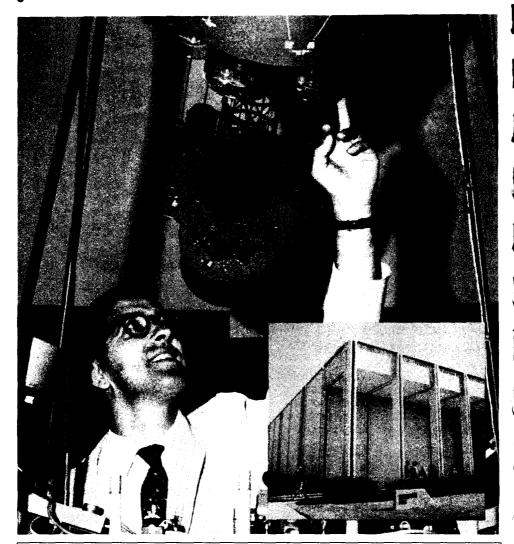
- to provide the first two years of higher education and preprofessional programs for those students preparing to transfer for further education;
- to provide occupational/ technical training for those students desiring to obtain the comprehensive skills and knowledge required in specialized fields;



- to provide general and developmental education to prepare students for effective involvement in society;
- to provide continuing education that is a response to various community needs and desires; and
- to provide opportunities for personal enrichment.

PHILOSOPHY

Odessa College exists for students. The college, with its faculty and staff, is committed to excellence in its services, programs, and practices. It affirms equal access to all aspects of the institution for the diverse population it serves. The institution approaches all endeavors with the highest standards of ethics and professionalism.



Odessa College is located in Odessa, Texas, a progressive West Texas city of more than 100,000 people midway between Fort Worth and El Paso.

Odessa is a cultural, recreational, educational, medical, retail and wholesale trading center for a region as large as several Eastern Seaboard states combined. Two hospitals provide a wide variety of medical services for the region, and the Texas Tech Regional Medical School is adjacent to Medical Center Hospital, providing additional health opportunities.

Odessa boasts a daily newspaper, five television stations, 18 radio stations and more than 150 churches. Numerous cultural, intellectual and recreational activities are available for the area's citizens.

Odessa is a growing, progressive city where friendly people heartily support Odessa College and its efforts. Newcomers find Odessa a good place to live and to raise a family, as well as an enjoyable place to study and to work.

DEGREES AND CERTIFICATES

In fulfilling its commitment to provide a high quality educational program to the citizens of the Ector County area, Odessa College is authorized by the state of Texas to provide instruction leading to a variety of degrees and certificates. The college also offers courses in some subject areas — accounting, anthropology, earth science, economics, engineering, geography, philosophy, religion, etc. — as an enhancement to the general education requirements for other disciplines.

Associate in Arts*

The Associate in Arts Degree is awarded to students who complete curriculum requirements of the first two years of study of a standard baccalaureate program, primarily in the liberal arts, fine arts or business fields. Known as the A.A., the degree is not designed to provide students with specific vocational skills. The Associate in Arts is available in the following areas:

Art **Business Administration** (leading to a B.B.A. in Accounting, Finance, Personnel, Management and Marketing) Education (Elementary/Secondary Options) **English** Foreign Language **Humanities (Art Option)** Legal Assistant Mass Communication (Broadcasting/ Mass Communication Options) Music **Psychology**

Social Science (Economics/Government/ History Options) Speech

Sociology

*Please refer to page 39 of this catalog for degree requirements.

Associate in Science*

The Associate in Science Degree is awarded to students who complete curriculum requirements of the first two years of study of a standard baccalaureate program, primarily in the fields of mathematics or science. Known as the A.S., the degree is not designed to provide students with specific job skills. The Associate in Science is available in the following disciplines:

Agriculture
Biology
Chemistry
Computer Science
Geology
Mathematics
Physical Education
(Exercise and Sport Science/
Athletic Training Options)
Physics
Psychology
Sociology

*Please refer to page 39 of this catalog for degree requirements.

Associate in Science in General Studies*

The Associate in Science in General Studies Degree, known as the A.S.G.S., is designed to allow the student to select from a wide range of courses that fulfill the requirement of a generalized education.

This degree will have most, if not all, courses that will transfer to senior institutions. The student should check the requirements of the senior institution before planning a course of study. See your counselor or faculty advisor for more information.

*Please refer to page 40 of this catalog for degree requirements.

Pre-Professional Courses of Study

In those areas classified as preprofessional — dentistry, engineering,
medicine, optometry, pharmacy, veterinary
medicine — students are advised to pursue
the degree plan for the Associate in Science
without a declared major. Pre-law students
should follow the general degree plan for the
Associate in Arts. Courses not specifically
required should be selected according to the
requirements of the institution that will
eventually grant the degree.

Associate in Applied Science*

The Associate in Applied Science degree is awarded to students who complete the prescribed degree plan in a designated technical studies area. Known as the A.A.S., this degree is designed to provide students with comprehensive skills and knowledge in a specialized field, with the goal of employment in that field. While the degree is usually job oriented, all A.A.S. degrees will have at least some, if not most, courses transfer to senior institutions through the general education requirements in the degree and/or inverted baccalaureate degree plans. The student should check the requirements of the senior institution before planning a course of study. See your counselor or faculty advisor for more information. Odessa College awards the A.A.S. degree in the following areas:

Automotive Technology and Diesel Mechanics (Automotive/ Diesel Mechanics Options) Building Trades Child Development Clinical Laboratory Sciences (Medical Laboratory Technology) Computer Information Systems (Business Programming/PC Support Specialist Options) Cosmetology (Operator/Instructor Options) **Culinary Arts Drafting Technology Electrical and Electronics Technology Emergency Medical Technology** Fire Technology Heating, Ventilation and Air Conditioning Human Services (Alcohol and Drug Abuse) Law Enforcement/Criminal Justice (Law Enforcement/Criminal Justice and Law Enforcement/Corrections Options) Maintenance Technology Management Metal Trades Technologies (Industrial Machinist/

(Industrial Machinist/ Industrial Welding Options) Nursing (RN)

Occupational Safety and Health Technology Office Systems Technology (Office Systems/Medical Emphasis Options)

Petroleum Technology Photography Physical Therapist Assistant Radiologic Technology Respiratory Therapy Surgical Technology

*Please refer to page 41 of this catalog for degree requirements.

Certificate of Technology*

In the technology fields, it is not uncommon for a student to want to learn the skills necessary for employment without earning the A.A.S. To indicate both completion and technical competency, Odessa College awards a Certificate of Technology in the following fields (refer to individual departmental sections for specific course and semester hour requirements):

Automotive Technology
Air Conditioning and Heating
Chassis
Drivability
Automotive Electronics
Service Technician Manager

Diesel Technology Caterpillar **Cummins Detroit Diesel** Diesel Electronics Technician **Building Maintenance Basic Carpenter Helper Basic Construction Technician** Basic Cabinetmaker Technician Advanced Construction Technician Construction Estimator **Drafting Technology Architectural Detailer** Machine Drafting Detailer Structural Drafting Detailer Pipe Drafting Detailer **Technical Illustrator Electrical/Electronics Technology** (Technician/Advanced Technician Options) Fire Technology Fire Protection Fire Prevention and Arson Investigation **Basic Fire Fighter Academy** Heating, Ventilation and Air Conditioning **HVAC Technician (Basic/Advanced** Options) Sheet Metal Technician Commercial Refrigeration Maintenance Technician **HVAC Shop Manager** Management General Management (General Management/Marketing/ Small Business Options) **Industrial Supervision** Management Advanced Skills Metal Trades Technologies Machinist Machine Shop Foreman Computerized Numerical Control Programmer Milling Machine Operator **Engine Lathe Operator** General Welder Fitter Welder **Certified Welder** Pipe Welding Foreman Welding Machine Operator Occupational Safety and Health Technology Office Systems Technology Office Clerk Office Assistant Office Technology Specialist **Medical Office Clerk**

Medical Office Assistant

Petroleum Technology Safety and Environmental Technician Well Head Pumper **Gas Compressor Operator Gas Plant Operator** Refinery Panel Operator Please refer to page 41 of this catalog for certificate requirements. Certificate of Completion* The Certificate of Completion is given by Odessa College after completion of a designated course of study that concentrates on specific job skills, licensure requirements or subject matter mastery. Odessa College awards a Certificate of Completion in the following vocational fields (refer to individual departmental sections for specific course and semester hour requirements): Child Development Child Care Aide **Child Care Assistant** Child Care Management Cosmetology Instructor Operator **Culinary Arts Food Preparation Cook Food Production Cook Emergency Medical Technician** Basic/Intermediate/Advanced Options Human Services (Drug and Alcohol Ábuse) Law Enforcement/Criminal Justice **County Correctional Officer** State Prison Guard **Emergency Telecommunications/** Dispatcher **Texas Peace Officer Basic Law Enforcement Academy** Advanced Peace Officer Skills Legal Assistant (Legal Assistant/Advanced Legal **Assistant Options**) **Phlebotomy Photography**

Assistant Advanced Legal
Assistant Options)
Phlebotomy
Photography
Photo Lab Assistant
Commercial Studio Assistant
Portrait Studio Assistant
Respiratory Therapy Technician
Surgical Technology
Vocational Nursing (LVN)
Please refer to page 41 of this catalog for certificate requirements.

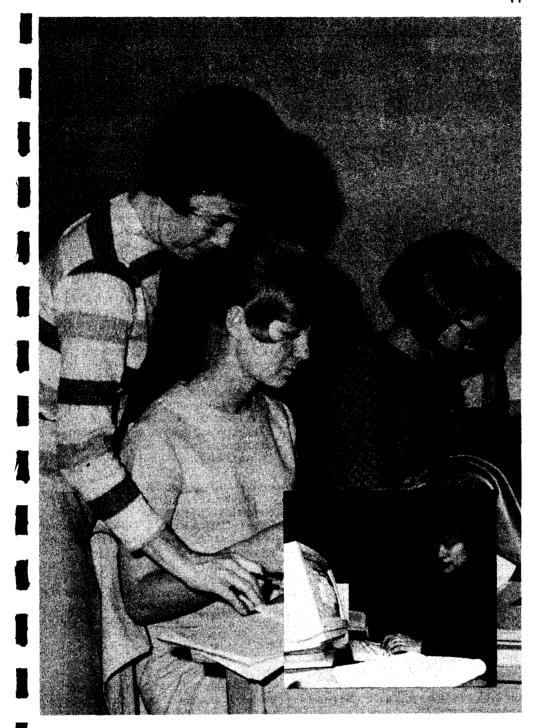
ACCREDITATION

Odessa College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. (1866 Southern Lane, Decatur, Georgia 30033-4097: Telephone number 404-679-4501) to award associate degrees.

Prospective students and interested parties who wish to view the accreditation documents and/or the institutional self-study may inquire at the circulation desk of the Murry H. Fly Learning Resources Center (LRC) where a copy is available for reference.

The number of agencies and associations that have given accreditation and membership privileges to Odessa College acknowledges the quality of education provided. The college is approved or accredited by the following professional organizations and agencies:

	Date of
Accrediting Agency	Last Review
American Heart Association	July 1995
American Nurse Credentialing Center	July 1991
American Physical Therapy Association Commission on Accreditation	
for Physical Therapy Education Board of Vocational Nurse Examiners for the State of Texas	January 1991
	1995
Committee on Accreditation of Allied Health Education Programs with	
recommendation of the Accreditation Review Committee for	
Respiratory Therapy Education	June 1995
Council on Medical Education of the American Medical Association	
through the recommendations of the Joint Review Committee for	
Respiratory Therapy Education	October 1994
Federal Aviation Administration	February 1992
Joint Review Committee on Education in Radiologic Technology	October 1994
National Accrediting Agency for Clinical Laboratory Sciences	
with recommendations to the Committee on Allied Health Education	
and Accreditation	October 1992
National Association of Schools of Music	1991
National Certification Council for Activity Professionals	
National League for Nursing	November 1994
Southern Association of Colleges and Schools	
Texas Board of Private Investigators and Private Security Officers	1995
Texas Commission on Fire Protection Personnel	
Standards and Education	1995
Texas Commission on Law Enforcement Officers	
Standards and Education	January 31, 1995
Texas Department of Health, Division of Food and Drugs	February 1994
Texas Department of Health, Emergency Medical Services Division	1995
Texas Department of Human Services — Long Term Care Division,	
Medication Aide Program	. November 9, 1995
Texas Real Estate Commission	1995
Texas State Board of Examiners of Professional Counselors	August 1991
Texas State Board of Social Worker Examiners	1995



ADMISSIONS AND REGISTRATION

ADMISSION REQUIREMENTS AND PROCEDURES



Odessa College has an "open door" policy which allows admission for most students who wish to take classes. If you fall under one of the following categories, you are eligible for admission to Odessa College.

High School Graduate:

Students who have graduated from high school or students who have successfully passed the GED are eligible for admission. This category includes students who have graduated via an approved home school program.

Early Admission/ Concurrent Enrollment Student:

High school students who qualify may earn college credit while still in high school. With appropriate agreements between OC and individual public school districts, a student may earn both college and high school credit at the same time. (See detail on qualification in following sections.)

Transfer Student:

Students who have attended another college or university are eligible for admission.

Non-High School Graduate Students Over 18 Years of Age:

Students with a GED, who can demonstrate by examination, high school equivalency, and who can present a letter of recommendation from the principal or superintendent of the last high school attended are eligible for admission. This includes those who were home schooled or who attended non-accredited public or private high schools.

Non-High School Graduate Students Under 18 Years of Age:

Students who attended non-accredited public or private high schools, or who were schooled in a non-traditional setting may be credited by examination that demonstrates high school equivalency, or upon the recommendation of the principal or superintendent of the last high school attended are eligible for admission. They must present a notarized record of the high school work completed and date of completion and must agree to limitations or conditions of admission established by Odessa College.

Individual Approval Students:

Individuals who may not have completed high school are eligible to attend Odessa College if they are at least 18 years of age, and it is determined that the person can benefit from study at the college.

International Students:

Students from outside the United States may attend Odessa College by meeting regular admissions standards and special qualifications detailed in the section on International Students.

Returning Students:

Students in good standing who have attended Odessa College but have not taken classes within the last calendar year must complete an application update form.

Required Admission Materials

Persons wishing to enroll at Odessa College should complete their admission file a minimum of two weeks prior to the announced date of advanced or regular registration. Individuals may submit applications and other required materials the same day of registration. When this situation occurs, however, the student should expect a significant time delay for processing of information, assessment testing, working with a counselor or advisor, etc.

The following items must be submitted to complete the admission file:

- A completed and signed application or reapplication for admission form.
- An official copy of the applicant's transcript. Applicants are responsible for requesting the transcript from the previous school and paying any applicable fees. Please request that all transcripts be mailed to the Registrar's Office, 201 W. University, Odessa, Texas 79764.

High School Graduates: An official copy of the high school transcript with the date of graduation and class rank included. GED students must submit official verification of completion of the examination.

Early Admission/Concurrent
Enrollment Students: A copy of the
high school transcript with the most
current semester completed included.
Transfer and Returning Students:
Official copies of the transcript from
each college or university attended that
are not on file with Odessa College.
International Students: Official copies
of all academic records. Those from
non-English language institutions must
be translated to English.

Transcripts: All transcripts must be on file by the end of the first academic term in which the student is enrolled.

 Verification of residence status for tuition purposes. If information from the application form and official transcript copies is not sufficient to determine residence status, applicants may be required to submit other forms of verification as detailed in the section on residence status. Verification of results of TASP examination or exemption status. See section on TASP requirements for detail.

5. Other special forms. Early admission and concurrent enrollment students must submit the appropriate approval forms signed by authorized high school personnel. In unusual circumstances, other special items may be requested. New students are encouraged to come to the Student Information Center on campus to pick up and complete application materials. Students will have the opportunity to make arrangements to talk with counselors, faculty advisors, and other individuals who can provide assistance in planning for attending Odessa College. When application materials are mailed, they should be addressed to Registrar's Office, 201 W. University, Odessa, TX 79764.

Students who apply in advance of the suggested two weeks before registration will be notified by mail when the application file is complete.

Residence Status for Tuition Purposes

Assessment of tuition and fees for students is based on the residency classification of the student. At Odessa College, a student's residence status for tuition purposes will fall in one of four categories.

- In-district resident: Students who are 18 years or older must have been a resident of the state of Texas for 12 months prior to their enrollment, including six months as a resident in the Odessa Junior College District. In the case of students under 18 years, their parents must meet the above criteria.
- Out-of-district resident: Students 18
 years and older who have not lived
 within the Odessa Junior College
 District six months prior to registration,
 but who have been a resident of Texas
 at least 12 months prior to registration,
 are considered to be out-of-district
 students. In the case of students under
 18, their parents must meet the above
 criteria.

- Out-of-state resident: United States citizens who are 18 years of age or older and who have not lived in Texas for at least 12 months prior to registration, are considered out-of-state residents. When students are under 18 years of age, their family's residence for the prior 12 months determines whether they are out-of-state residents.
- Alien resident: A citizen of another country who is in the United States on a student visa other than an immigrant visa will be classified as an alien student.

Waiver of residence requirements:

Odessa College will waive the difference in the rate of tuition for resident and non-resident students and their dependents when those individuals own property, including land, homestead and property for business purposes, subject to ad valorem taxation. The student must present the Admissions Office with a certified copy of the warranty deed obtained from the Ector County Clerk's Office. This deed must show a record title of the Ector County property to be in the name of the student, spouse or parents, whichever is applicable.

The determination of a student's legal residence for purposes of establishing the appropriate tuition rates is made at Odessa College according to guidelines pursuant to Title 3, Texas Education Code: Rules and regulations for determining residence status, effective summer 1992. Students should be aware that these guidelines are subject to further revision.

Copies of these guidelines are available for inspection in the Registrar's Office. Questions or disputes regarding interpretation of these guidelines should be directed to this office.

Resident Classification: Student Responsibility

Students are responsible for registering under the proper residence classification. If there is any question regarding their right to classification as a resident of Texas, they should inquire at the Registrar's Office.

Students found to be non-residents will remain in that classification as long as they attend Odessa College or until they petition for and receive approval for change of status.

Students classified as a resident but who become non-residents at any time by virtue of a change of a legal residence by their own action or by the person controlling their domicile are required to notify the Registrar's Office.

SPECIAL PROGRAMS AND REQUIREMENTS

Early Admissions and Concurrent Enrollment

Odessa College works closely with high schools in its service area to offer qualified high school students the opportunity to get a head start on college-level classes. Students may earn college credit while still in high school by participating in early admissions and/or concurrent enrollment classes.

Concurrent Enrollment

In the concurrent enrollment program, high school students may earn high school credit and college credit for taking an Odessa College course. For example, a high school student might enroll in an Odessa College history course, attend only the college history course and be granted credit at both the high school and college levels. Many of these courses also are offered on the high school campus during regular school hours.

To participate in the program, high school students must have the approval of their high school principal or agent for an approved course. Students must have or exceed an overall grade point average of 3.0 in the semester immediately preceding enrollment in a college course or have scored at or above the 90th percentile on the achievement subtest in the content area for which the students wish to enroll, or they must have permission from their high school principal.

Any high school student wishing to participate in the concurrent enrollment program must apply to his or her high school counselor who will determine the student's eligibility for the program and the course load.

The high school counselor will work with the Odessa College dean of admissions to ensure the availability of courses. In addition, the high school counselor will coordinate the student's concurrent enrollment schedules.

Concurrent enrollment students must submit to Odessa College the prescribed documentation signed by a parent or guardian, their high school counselor and the high school principal or the principal's designee. The concurrent enrollment

program has special regulations, and students participating in the concurrent enrollment program are responsible for following those regulations.

Further information on the concurrent enrollment program is available from the Odessa College Admissions Office and high school counselors.

Early Admissions

The early admissions program also enables high school seniors to enroll concurrently in Odessa College while completing their high school requirements. Credits earned through the early admissions program will count only as college credits and not as high school credits. Students in the program can profitably accelerate their progress in college and achieve their educational goals in less time and with less expense.

To be eligible for the program, high school seniors must be within four units or 12 quarter credits of graduation and have the recommendation of their high school counselor, their high school principal or the principal's designee, and have the approval of their parents. They may then enroll in the regular manner at Odessa College.

Students in the early admissions program may enroll in as many as two courses each semester. Students may be enrolled in both early admissions and concurrent enrollment courses at the same time; however, a total of only two college courses may be taken in one semester. They will be expected to adhere to all policies of the college as well as those of their respective high school while in the program. Information on the early admissions program can be obtained from the Odessa College dean of admissions or from counselors at participating high schools.

Equal Opportunity at Odessa College

Odessa College is committed to the basic right of all people to have an equal opportunity for education or employment at this institution. Every effort will be made by the Board of Trustees, the administration and the faculty to defend this right and to vigorously seek to promote its

implementation in all areas of the institution.

In accordance with its admissions standards, Odessa College will admit as students any persons who can benefit from the instructional programs offered. In addition, Odessa College will strive to meet post-secondary educational needs of its students by restructuring current programs and by creating new programs when these actions will benefit students.

Title IX of the Civil Rights Restoration Act prohibits sex discrimination in all programs of institutions which receive federal funds. Inquiries regarding Title IX should be made to the Title IX compliance person in the personnel office, or to the Assistant Secretary for Civil Rights at the Department of Education, Washington, D.C. 20202.

Immunizations

Nursing and allied health students:
Students enrolled in health related courses
(student health care providers) that involve
direct patient contact in medical care
facilities, regardless of number of courses
taken, must produce evidence of: a) one
dose of tetanus/diphtheria within the past 10
years; b) rubella immunity; c) hepatitis B/
bloodborne pathogen requirements as
specified by each department.

Polio: Polio vaccine is not required for students to attend Odessa College but may be required at certain health facilities where students may have clinical training.

Provisional enrollment: All new and transfer students referred to above may be provisionally enrolled for up to one semester or quarter. The provisional enrollment will allow students to attend classes while obtaining the required vaccinations and documentation (immunization records) of required vaccinations. Student health care providers cannot be provisionally enrolled without receipt of at least one dose of MMR vaccine, if direct patient contact will occur during provisional enrollment period.

International Students

International students (F-1 visa) must meet all regular admissions criteria. In addition, each must demonstrate proficiency in English by a score of 500 or greater on the Test of English as a Foreign Language (TOEFL).

An international student should expect to pay a minimum of \$8,000 for educational and living expenses each calendar year. This sum does not include transportation costs. In order to verify a student's ability to meet these financial obligations, Odessa College requires a financial statement from the student and/or his family. International students must also present evidence of adequate medical insurance as a condition of admission. Basic medical insurance information is available through the college.

Academic records for international students must be official and must be translated into English. Copies will not be accepted. All required documents and information must be received in accordance with the following deadlines. When the deadline date falls on a non-working day, the deadline is interpreted as the next regular working day. International students are not permitted to enroll for the first time for a midwinter session.

Summer Session	March 1
Fall Semester	June 1
Spring Semester	October 1

International students wishing to transfer to Odessa College from another U.S. college or university must also present official transcripts of all U.S. college work along with recommendations from the international student advisor from the school previously attended.

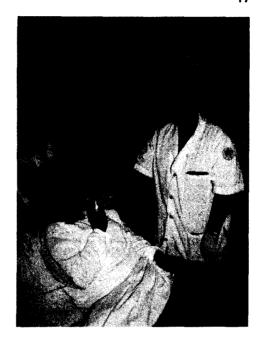
All applications from international students must be accompanied by a \$20 application fee. Persons wanting additional information on international student admissions should address a written request to International Student Admissions, Odessa College, 201 W. University, Odessa, Texas 79764.

Non-Credit Classes

Through the Continuing Education
Division and the Community Recreation
Program, Odessa College offers a variety of
options for course work on a non-credit
basis. Often these options are cross-listed
with credit courses, but students enrolling for
non-credit are not required to meet the
regular admissions criteria. Please refer to
these items in the "Instructional Support and
Special Programs" section of this catalog.
Individuals who register as audit students do
not receive credit.

Orientation Requirement

ORIE 1100, Orientation to Odessa College, is designed to assist those new to college in gaining the knowledge necessary to function effectively in a college environment. The course covers policies, rules and regulations and services provided to students as well as the state-mandated TASP requirement. The student will become acquainted with the college catalog, the Orientation Handbook and the campus. At the initial meetings, students will meet the course instructor for two two-hour periods and then will complete the course by choosing from several self-paced activities. Course grades will be determined by completion of these activities and an examination over the materials covered in the course. Students receive one hour of credit which counts toward total enrollment hours for the semester but does not transfer. count toward graduation requirements or add to TASP liability. First-time students who enroll in nine or more semester hours are required to enroll in Orientation during their first semester of attendance at Odessa College.



Special Admissions Requirements for Selected Programs

Admission to Odessa College does not automatically include admission to all programs at the college. The following programs have selective admissions criteria. If a student anticipates enrolling in one of these programs, he or she should check with a counselor or department representative about program admissions requirements:

Clinical laboratory sciences
Emergency medical technology
(second year)
Law Enforcement Academy
Nursing
Physical therapist assistant
Radiologic technology
Respiratory care
Surgical technology

TASP — Texas Academic Skills Program Requirements

The Texas State Education Code requires that all students "who enter public institutions of higher education in the fall of 1989 and thereafter must be tested for reading, writing and mathematics skills." This includes all full-time and part-time freshmen enrolled in a TASP liable certificate or degree program, any non-degree students prior to the "accumulation of nine or more [college] credit hours or the equivalent," and "any transfer students with less than a bachelor's degree who have not previously taken the tests."

Performance on the test will not be used as a condition of admission. The test fee will be paid by the student. Test fee waiver vouchers are available from the Student Financial Services Office for students who qualify as economically disadvantaged. If the student does not take the TASP test before the accumulation of nine college-level credits, he or she will only be allowed to take remedial courses until the TASP test is taken.

Certain exemptions based on SAT, ACT or TAAS scores do exist. Score exemptions must be documented by scores recorded on an official transcript on file in the Registrar's Office. For more information regarding exemptions to the TASP test on the basis of standardized test scores, please see a counselor in the OC Counseling Center.

If a student has failed one or more portions of the TASP test, Texas state law requires a student to be enrolled in some form of remediation continuously until he or she passes

all portions of the test. Furthermore, state law requires that the student who is enrolled in remediation as a result of a TASP failure must satisfactorily participate in that remedial program. Odessa College defines the student's satisfactory participation in remediation as consistent attendance coupled with continuous progress through the content of the remedial program.

The following policies apply to any student placed in a remedial program as a result of his or her failing a portion of the TASP test:

- In a three-hour credit course, if the student is absent for six (6) or more consecutive hours of the course's scheduled instruction, he or she is subject to complete withdrawal from the college. If the student is absent for a total of nine (9) hours of instruction throughout the course, he or she is subject to complete withdrawal from the college.
- In a flexible-entry remedial course or program, if the student fails to meet with the instructor within one (1) week following registration or fails to meet with the instructor at least once every two (2) weeks thereafter, he or she is subject to complete withdrawal from the college.

Tech-Prep Programs

Students who come to Odessa College from recognized tech-prep programs should make a counselor aware of that status to insure proper credit and placement.

REGISTRATION

Odessa College offers a variety of opportunities for students to register for classes and activities. Individuals registering for credit classes have the following options:

Academic Advising and Scholastic Planning

An important part of the registration process takes place well in advance of actual registration. Each student has a reason for attending Odessa College and should plan his or her course of study accordingly. Counselors and faculty advisors are available to assist students in academic planning. Specifically, these professionals can help with meeting prerequisites for courses, testing requirements, credit by examination, transferring courses, etc. Each student should meet with an appropriate advisor to work out a course of study or degree plan as early as possible. This meeting should be initiated by the student and should occur before the first registration at Odessa College.

Students who have a TASP liability are required to have their schedule of classes approved by an OC counselor each semester. All students must have a final sign off by a counselor or faculty advisor before proceeding to the final data entry point in the registration process.

Advance Registration

The college designates specific dates and times for advance registration for upcoming semesters. For a fall semester, these times occur during the summer months. Advance registration for spring semesters are set for the last of November or the first part of December. For summer sessions, advance registration is in late April or early May. Exact dates and times are published in the schedule of classes for each semester.

New students (first time in college or transfer students) and returning students who have not enrolled for classes at OC within the last calendar year should complete the application or reapplication process at least two weeks prior to the beginning of designated advance registration times.

Students who are enrolled at Odessa College or who have been enrolled within the past calendar year are automatically eligible to participate in advance registration activities. All fees due for advance

registration must be paid in full at the time designated for each semester in the class schedule to be maintained.

Regular Registration

Two or three days are designated at the beginning of each semester for student registration for credit classes. Students who have not participated in advance registration or who may not have paid their advance registration bill register alphabetically at the time designated. New students may also register at this time. Faculty advisors, counselors and other OC staff members are available to work with students during these regular registration times.

Late Registration

After the first day of classes, students may still register for credit classes for a specified period of time. Students who register late have the responsibility to make up any work missed prior to their first time attending. The college reserves the right to limit the class load for students who register late. No late registration is permitted after the 12th class day for fall and spring semesters or after the fourth class day for a summer session. A late registration fee of \$10 is charged.

Extension and Other Off-Campus Registration

Students who attend classes at extension centers or concurrent enrollment classes at area high schools will have an opportunity to register at those sites. Dates and times are designated in the schedule of classes for each semester. Students who miss these times may come to campus to register at other designated registration times.

Non-Credit Registration

Students registering for continuing education classes may do so on an ongoing basis. This process takes place at the Continuing Education Office on the second floor of the Student Union Building from 8 a.m. until 6 p.m. Monday through Thursday, and from 8 a.m. until 5 p.m. on Friday. Mailin registration and telephone registration

with a credit card also are available. During the summer months, college offices are closed on Friday.

Odessa College also offers drive-up registration for non-credit continuing education classes. Please stop at the Drivethru Booth located at the end of the main drive entrance off West University Boulevard. Hours are 8:30 a.m. to 7 p.m. Monday through Thursday, and 8:30 a.m.-4 p.m. on Friday. The booth is closed on Friday during summer months.

Sports activity and recreation classes are offered through the Community Recreation Program at the OC Sports Center. Students may sign up at that facility during regular hours of operation. These opportunities are available both to students and community members.

Audit of Credit Classes

Students who want to register for a regular credit class on an audit basis must adhere to the following regulations:

- 1. A student may not register for an audit until after the first class day.
- Audit permission must be obtained from the appropriate department chair and the Registrar's Office.
- There must be seats available before an auditing student will be permitted to enter a particular class.
- Auditing students are not required to meet course prerequisites listed in the catalog.
- Students auditing a course may not under any circumstances claim credit for the course.
- A student registering for a course may not change from audit to credit or from credit to audit after the 12th class day during a long semester or fourth class day during a summer term. Requests for status change must be made in the Registrar's Office.
- Charges for auditing a course are the same as for regular registration.

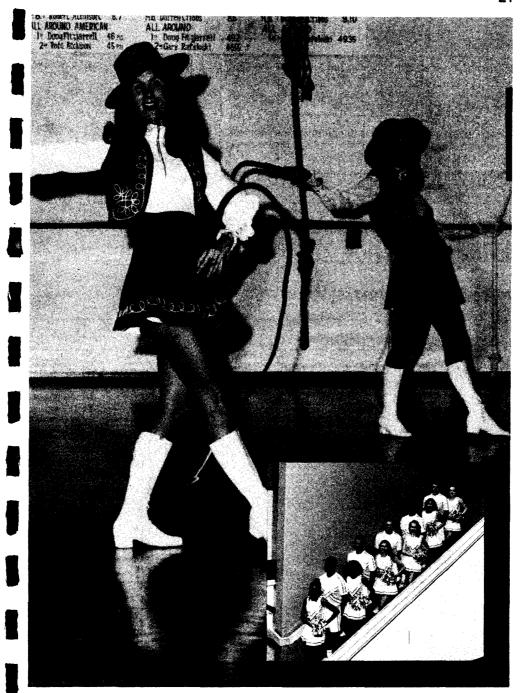
STUDENT RECORDS

Accuracy of Student Records

Each student is responsible for keeping his or her record accurate and up to date. Changes in name, social security number, address, telephone number, etc., must be submitted in writing and signed by the student. Changes are processed in the Registrar's Office.

Directory Information

Odessa College classifies as directory information the following student data: name, address, telephone number, date and place of birth, major field, participation in official activities and sports, weight and height of athletic team members, dates of attendance, degrees and awards received and most recent educational institution attended. Such information is normally released to individuals upon request. Students who do not want this directory information released must file a written statement to that effect with the registrar's office. The written statement must be filed each semester.



COSTS AND
STUDENT FINANCIAL SERVICES

TUITION AND FEES

Please note that the following tables reflect the 1995-96 tuition and fee rates adopted by the Odessa College Board of Trustees. The schedule is subject to revision by the Legislature of the state of Texas, the Odessa College Board of Trustees and/or the administration of Odessa College.

These tables reflect only the tuition and fees required of ALL STUDENTS.

Parking fees and other course fees may be applicable.

See: LAB FEES

PRIVATE INSTRUCTION FEES

TRAVEL FEES
TESTING FEES

MISCELLANEOUS FEES

on pages 24-25 for additional charges.

IN-DIS	TRICT TEX	AS RESIDEN	T:			TOTAL
				ID Fee		BEFORE
Semeste	er -	Building	Activity	Non-	Computer	PARKING &
Hours	Tuition	<u>Use Fee</u>	<u>Fee</u>	<u>Refundable</u>	<u>Fee</u>	OTHER FEES
1	42.00	12.00	1.00	1.00	1.00	57.00
2	42.00	24.00	2.00	1.00	2.00	71.00
3	42.00	36.00	3.00	1.00	3.00	85.00
4	56.00	48.00	4.00	1.00	4.00	113.00
5	70.00	60.00	5.00	1.00	5.00	141.00
6	84.00	72.00	6.00	1.00	6.00	169.00
7	98.00	84.00	7.00	1.00	7.00	197.00
8	112.00	96.00	8.00	1.00	8.00	225.00
9	126.00	108.00	9.00	1.00	9.00	253.00
10	140.00	120.00	10.00	1.00	10.00	281.00
11	154.00	132.00	11.00	1.00	11.00	309.00
12	168.00	144.00	12.00	1.00	12.00	337.00
13	182.00	156.00	13.00	1.00	13.00	365.00
14	182.00	162.00	14.00	1.00	14.00	373.00
15	182.00	168.00	15.00	1.00	15.00	381.00
16	182.00	174.00	16.00	1.00	16.00	389.00
17	182.00	180.00	17.00	1.00	17.00	397.00
18	182.00	186.00	18.00	1.00	18.00	405.00
19	182.00	192.00	19.00	1.00	19.00	413.00
20	182.00	198.00	20.00	1.00	20.00	421.00
21	182.00	204.00	21.00	1.00	21.00	429.00
22	182.00	210.00	22.00	1.00	22.00	437.00
23	182.00	216.00	23.00	1.00	23.00	445.00
24	182.00	222.00	24.00	1.00	24.00	453.00
25	182.00	228.00	25.00	1.00	25.00	461.00

OUT-OF	-DISTRIC	TTEXAS RE	SIDENT:	ID Fee		TOTAL BEFORE
Semester Hours	Tuition	Building <u>Use Fee</u>	Activity <u>Fee</u>	Non- Refundable	Computer <u>Fee</u>	PARKING & OTHER FEES
1	57.00	12.00	1.00	1.00	1.00	72.00
2	57.00	24.00	2.00	1.00	2.00	86.00
3	57.00	36.00	3.00	1.00	3.00	100.00
_ 4	76.00	48.00	4.00	1.00	4.00	133.00
5	95.00	60.00	5.00	1.00	5.00	166.00
5	114.00	72.00	6.00	1.00	6.00	199.00
7	133.00	84.00	7.00	1.00	7.00	232.00
8	152.00	96.00	8.00	1.00	8.00	265.00
9	171.00	108.00	9.00	1.00	9.00	298.00
1 0	190.00	120.00	10.00	1.00	10.00	331.00
1 1	209.00	132.00	11.00	1.00	11.00	364.00
12	228.00	144.00	12.00	1.00	12.00	397.00
1 3	247.00	156.00	13.00	1.00	13.00	430.00
4 14	247.00	162.00	14.00	1.00	14.00	438.00
 15	247.00	168.00	15.00	1.00	15.00	446.00
16	247.00	174.00	16.00	1.00	16.00	454.00
— 17	247.00	180.00	17.00	1.00	17.00	462.00
18	247.00	186.00	18.00	1.00	18.00	470.00
1 9	247.00	192.00	19.00	1.00	19.00	478.00
20	247.00	198.00	20.00	1.00	20.00	486.00
 21	247.00	204.00	21.00	1.00	21.00	494.00
22	247.00	210.00	22.00	1.00	22.00	502.00
23	247.00	216.00	23.00	1.00	23.00	510.00
24	247.00	222.00	24.00	1.00	24.00	518.00
25	247.00	228.00	25.00	1.00	25.00	526.00
OUT-OF	STATE O	R FOREIGN:				TOTAL
	STATE O			ID Fee	0	BEFORE
Semester		Building	Activity	Non-	Computer	BEFORE PARKING &
Semester Hours	Tuition	Building Use Fee	Activity <u>Fee</u>	Non- <u>Refundable</u>	Fee `	BEFORE PARKING & OTHER FEES
Semester Hours	<u>Tuition</u> 310.00	Building <u>Use Fee</u> 12.00	Activity Fee 1.00	Non- <u>Refundable</u> 1.00	<u>Fee</u> 1.00	BEFORE PARKING & OTHER FEES 325.00
Semester Hours 1 2	<u>Tuition</u> 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00	Activity <u>Fee</u> 1.00 2.00	Non- <u>Refundable</u> 1.00 1.00	Fee 1.00 2.00	BEFORE PARKING & OTHER FEES 325.00 339.00
Semester Hours 1 2 3	<u>Tuition</u> 310.00 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00	Activity <u>Fee</u> 1.00 2.00 3.00	Non- <u>Refundable</u> 1.00 1.00 1.00	Fee 1.00 2.00 3.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00
Semester Hours 1 2 3 4	Tuition 310.00 310.00 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00	Activity <u>Fee</u> 1.00 2.00 3.00 4.00	Non- <u>Refundable</u> 1.00 1.00 1.00 1.00	Fee 1.00 2.00 3.00 4.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00
Semester Hours 1 2 3 4	Tuition 310.00 310.00 310.00 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00	Activity Fee 1.00 2.00 3.00 4.00 5.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00	1.00 2.00 3.00 4.00 5.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00
Semester Hours 1 2 3 4 5 6	Tuition 310.00 310.00 310.00 310.00 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00	Fee 1,00 2.00 3.00 4.00 5.00 6.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00
Semester Hours 1 2 3 4 5 6 7	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00	Fee 1,00 2,00 3,00 4,00 5,00 6,00 7,00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00
Semester Hours 1 2 3 4 5 6 7 8	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00	Fee 1,00 2,00 3,00 4,00 5,00 6,00 7,00 8,00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00
Semester Hours 1 2 3 4 5 6 7 8	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1,00 2,00 3,00 4,00 5,00 6,00 7,00 8,00 9,00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00
Semester Hours 1 2 3 4 5 6 7 8 9 10	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1,00 2,00 3,00 4,00 5,00 6,00 7,00 8,00 9,00 10,00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1,00 2,00 3,00 4,00 5,00 6,00 7,00 8,00 9,00 10,00 11,00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 409.00 423.00 437.00 451.00 465.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1,00 2,00 3,00 4,00 5,00 6,00 7,00 8,00 9,00 11,00 12,00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 162.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 168.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00 509.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 168.00 174.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 168.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00 509.00 517.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 168.00 174.00 180.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00 509.00 517.00 525.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 162.00 168.00 174.00 180.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00 509.00 517.00 525.00 533.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Tuition 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 162.00 168.00 174.00 180.00 180.00 192.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00 509.00 517.00 525.00 533.00 541.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Tuition 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 168.00 174.00 180.00 180.00 192.00 198.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00 509.00 517.00 525.00 533.00 541.00 549.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Tuition 310.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 168.00 174.00 180.00 180.00 192.00 198.00 204.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 409.00 423.00 423.00 451.00 465.00 479.00 493.00 501.00 509.00 517.00 525.00 533.00 541.00 549.00 557.00 565.00 573.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Tuition 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 162.00 168.00 174.00 180.00 192.00 192.00 204.00 216.00 222.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00 24.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 395.00 409.00 423.00 437.00 451.00 465.00 479.00 493.00 501.00 509.00 517.00 525.00 533.00 541.00 549.00 557.00 565.00 573.00 581.00
Semester Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Tuition 310.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 162.00 168.00 174.00 180.00 180.00 198.00 204.00 210.00 216.00	Activity Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 23.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00	BEFORE PARKING & OTHER FEES 325.00 339.00 353.00 367.00 381.00 409.00 423.00 423.00 451.00 465.00 479.00 493.00 501.00 509.00 517.00 525.00 533.00 541.00 549.00 557.00 565.00 573.00

LAB FEES

Art - Jeweiry (ARTS 2341, 2342)	10.00
Art - Basic Photography (ARTS 2356, 2357)	10.00
Art - Pottery (ARTS 2346, 2347)	24.00
Art - Sculpture (ARTS 2326, 2327)	15.00
Automotive Technology (Except AUTO 1301, 2377)	24.00
Biology (Except BIOL 1170)	15.00
Ruilding Trades (Except BLDG 2377)	24.00
Business Computer Info Systems (Except 1200, 2112, 2188, 2288, 2377)	15.00
Chemistry (1105,1111,1112, 2101, 2123, 2125)	15.00
Child Development (CHLD 1302, 1305, 1307, 1308, 1311, 2304, 2305, 2306, 2403) .	10.00
Clinical Laboratory Science (CLSC 1211, 1212, 1500, 2211, 2212)	15.00
Computer Science (All Courses)	15.00
Computer Science (All Courses)	20.00
Culinary Arts (CULI 2215,2216,2217))	24.00
Diesel Mechanics (Except DESL 2377)	24.00
Diesel Mechanics (Except DESL 2377)	5.00
Drafting (DRAF 2408,2418)	24.00
Drafting (DRAF 2408,2418)	24.00
Elect. & Electronics (ELEC 2414) Emergency Medical Technology (EMED 1501, 2801, 2802)	15.00
Emergency Medical Technology (EMED 1501, 2801, 2802)	15.00
Engineering (ENGR 1370)	5.00
Engineering (ENGR 1370)English (ENGL 0171, 0172, 0173, 0174 Word Processing)	5.00
English (ENGL 0370,1301, 1312, 2311 Word Processing)	10.00
Foreign Language (All 1411 and 1412 courses)	10.00
Geology (GEOL 1403, 1404)	15.00
Health Education (PHED 1171, 2171)	5.00
Health Education (PHED 1171, 2171) Heating, Vent, Air Conditioning (Except HVAC 2204, 2205, 2302, 2305, 2377)	24.00
Law Enforcement/Criminal Justice (CRIJ 2370)	20.00
Law Enforcement/Criminal Justice (CRIJ 2471)	24.00
Law Enforcement Academy (CRIJ 2475)	
Law Enforcement Academy (CRIJ 2476)	24.00
Legal Assistant (LEGL All courses)	
Machine Technology (Except MACH 2377)	
Maintenance Technology (Except MAIN 2302, 2356, 2357, 2377)	24.00
Mass Communication (COMM 1316, 1318, 1319, 2120, 2220, 2325)	10.00
Music, Class Instruction (MUSI 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177)	20.00
Nursing (Except NURS 1201, 2374)	15.00
Nursing (Except NURS 1201, 2374)	10.00
Office Systems Technology (OFST 2402, 2404)	10.00
Office Systems Technology (OFST 1100, 2202, 2203, 2301)	5.00
Petroleum Technology (PETR 1380)	15.00
Petroleum Technology (PETR 2303)	10.00
Photography (Except PHOT 2370, 2377)	10.00
Physical Education (PHED 1100, 1306)	10.00
Physical Education (1108, 1109, 1117, 1119, 1152)	24 00
Physical Education (Except PHED 1100, 1108, 1109, 1117, 1119, 1306, 2278)	5.00
Physics (All Courses)	5.00
Radiologic Technology (XRAY 1111, 1112, 1314, 1402)	15.00
Reading (All courses per semester hour)	2.00
Respiratory Care (RESP 1101, 1112, 2164)	15.00
Surgical Technology (SURG 1411)	15.00
Welding (Except WELD 2377)	24 00
A / L	

- 1	Bullion to the state of			
	Private Instruction Fees			
	Applied Music, Private Instruction (1/2 hour)	•••••		20.00
_	Applied Music, Private Instruction (1 hour)	•••••	***************************************	40.00
	Travel Fees			
П		004114070		D**
	Courses which necessitate student travel such as			
	BIOL 2470, Marine Ecology, will have additional f	ees for travel	expense. Check v	vith the course
	instructor or department chair for details.			
1	Testing Fees			
•		Test C	oot por Toot	Total
	NURS 15031	i est	osi per resi	
	NURS 1612 (Kermit Only)2	 	0.00	
8	NURS 1613 (Kermit Only)			
_	NURS 1615 (Kermit Only)3			
_	NURS 16304			
	NURS 18051			
	NURS 18213			
	NURS 2534 (spring)4		8.00	32.00
	NURS 2535 (fall)1		8.00	8.00
	NURS 2535 (spring)5		8.00	40.00
٧.	NURS 28072) 	8.00	16.00
•	NURS 28083		8.00	24.00
	RESP 13331			
	RESP 22621	***************************************	60.00	60.00
	Miscellaneous Fees			
	Advanced Standing Examination		***************************************	20.00
	Fire Academy (Equipment & Books, Estimated)			
	General Property Deposit (Refundable)			10.00
u,	Late Registration Fee	*******************		10.00
	Law Enforcement Academy (Equipment and Book	ks, Estimated)	***************************************	206.00
_	Law Enforcement/Criminal Justice -Correction Off			
1	LVN Nursing (Andrews Equipment Fee-NURS 16	11)		129.00
	LVN Nursing (Andrews State License Fee/Review	/ Course Fee-	NURS 1615)	255.00
	LVN Nursing (Kermit Equipment Fee-NURS 1611			
_	Off-Campus Registration Fee (Per Registration)	,		5.00
	Red Cross Certification Fee (PHED 1306)			
	Respiratory Care (Equipment Fee RESP 1111)			75.00
	Schedule Change Fee			
	Student Identification Fee (Each Semester, Non-F	Refundable)		1 00
	*Student Liability Insurance (Fall and Spring Sem			
	*Student Liability Insurance (Summer I and II)	1001017		6.00
-	*Student Liability Insurance (Cosmetology Studen	te Par Course		5.00
	Transcript Requested from OC, Official Copy	113, 1 61 000131	o)	3.00
	Transcript From Another Institution			
	**Vehicle Registration, Fall and Spring Semester	/Por Compete		4.00
4				
	**Vehicle Registration, Summer I and II (Per Sem			
	**Vehicle Registration, Cosmetology (Per Quarter	•		
	*Student liability insurance or proof of comparable	coverage is re	quired for students	s enrolled in child
	development, clinical laboratory sciences, emerge	ncy medical te	chnology, nursing,	physical
	therapist assistant, radiologic technology, respirato	ory care, stude	nt trainer and surg	ical technology.
•	**Vehicle registration fees are refundable only up	on complete w	rithdrawal during th	he scheduled
1	withdrawal period and only upon return of the part		J	
	The second secon	•		
_	•			

PAYMENT POLICIES

Refund Policy

Tuition and fees paid directly to the college by a sponsor, donor, grant, loan or scholarship shall be refunded to the source rather than directly to the student.

Class day means the day the session is designated to begin and each consecutive school day on which classes are held thereafter.

To have a refund authorized, a student must present a completed withdrawal request form to the Business Office. Refer to the section in the catalog or Student Handbook on "Withdrawal" for procedures.

Canceled classes: If a class is canceled by the college, all tuition and fees for that course will be refunded.

Dropped courses: Students who drop classes before the official day of record (12th class day during the fall and spring semesters and fourth class day during the summer) but remain enrolled at Odessa College will have 100 percent of applicable tuition and fees refunded, less a schedule change fee of \$5. Students who drop classes before the official day of record and are no longer enrolled at Odessa College will have tuition and fees refunded according to the percentages used when completely withdrawing from Odessa College.

Withdrawal from the college: Students who officially withdraw from Odessa College will have their tuition and mandatory fees refunded according to the following schedule:

Fall and Spring Semesters

Summer Semesters and Open-entry Classes

 Extension courses: Students enrolled in extension classes may be charged an additional fee, depending upon the course and center in which the class is held.

Payment by check: Positive identification (driver license preferred) is required for any payment to Odessa College. Checks are accepted for the exact amount of tuition and fees only. All checks are to be payable to Odessa College. The college does not accept two-party checks or payroll checks.

Payment by credit card: The college will accept VISA, MasterCard, American Express and Discover for payment of tuition and fees with proper approval.

Returned check policy: Checks for tuition and fees returned by the bank for any reason constitute the student's automatic withdrawal from all classes, unless the tuition and fees are paid within five days of the date notification is mailed to the student. All returned checks are collected through Collectrite. A returned check fee of \$25 plus tax is charged per check by Collectrite. Odessa College reserves the right to require payment in cash from individuals with a history of returned checks. Stop payments will be considered the same as returned checks.

Schedule change fee: A schedule change fee of \$5 will be charged for all schedule changes made during the first 12 class days of a regular semester or during the first four class days of a summer session except for the following situations:

- a. When a change or drop constitutes a withdrawal from the college.
- b. When semester hours are only added to the existing schedule.
- c. When the change is for the convenience of the college or has been caused by a college-canceled class, change in class time, departmental request, etc.

All exceptions to the assessed schedule change fee will be made in the Registrar's Office. No schedule change will be processed until all fees associated with the change are paid.

STUDENT FINANCIAL SERVICES



Odessa College is firmly committed to the philosophy of assisting those students who do not have the financial resources to pay for higher education but who wish to attend college. Of equal importance is the awarding of academic scholarships to recognize those students who exhibit superior scholastic abilities.

The Student Financial Services Office administers four broad program areas: grants, employment, scholarships and loans. An institutional application and a Free Application for Federal Student Aid (FAFSA) are required for all need-based financial aid programs; only an institutional application is required for scholarships. Both the institutional application and the FAFSA are available from the Odessa College Student Financial Services Office. Most high school counselors also have the FAFSA.

When requesting information about financial aid programs, students should ask for an application packet and the Financial Aid Bulletin. The bulletin provides detailed information about aid programs, including general eligibility requirements and satisfactory academic progress.

Types of Student Financial Aid:

Grants

The Federal Pell Grant Program provides the foundation of student financial aid and thus serves as the starting point in the aid process. A number of factors including a student's range of eligibility, cost of education and enrollment status determine the award. Pell Grants are awarded in four student-load categories:

(1) enrollment in 12 or more semester hours for a full-time award; (2) enrollment in nine to 11 semester hours for three-fourths of a full-time award; (3) enrollment in six to eight semester hours for one-half of a full-time award; and (4) enrollment in less than six hours.

Application for a Pell Grant is made by completing a FAFSA. Students will receive a Student Aid Report (SAR) from the Pell Grant processing center as a result of their application. All copies of the SAR should be submitted to the Student Financial Services Office as soon as they are received to expedite processing of the award.

The Federal Supplemental Educational Opportunity Grant (SEOG) is for students with high financial need who are enrolled in at least six semester hours. It is usually combined with other forms of assistance to help students meet their cost of education. Application is made by completing a FAFSA.

The Texas Public Education Grant (TPEG) is also for students with financial need who should be enrolled in at least six credit hours. It is designed to assist students in enrolling and remaining in college. The FAFSA serves as the application.

The State Student Incentive Grant (SSIG) is a combination Texas-federal grant for students with financial need. The FAFSA serves as the application.

Loans

The Federal Family Education Loan Program (FFELP) (formerly Texas Guaranteed Student Loan Program) is a long-term loan program which allows a student to borrow directly from a bank, savings and loan, credit union or other lending institution. Because not all financial institutions participate in the program, students may not be able to use their regular banking institution. The Student Financial Services Office will assist in trying to locate a lender if the student is unable to find one.

Application requirements now include a FAFSA and an institutional aid application because the FFELP is now completely need-based. This program is fully described in the Financial Aid Bulletin.

Federal Stafford Loans are available to dependent, independent and graduate students. Recipients should be enrolled in at least six credit hours and demonstrate financial need as indicated by the FAFSA. Interest rates and payment schedules are available in the Student Financial Services Office.

The Unsubsidized Federal Stafford Loan Program is intended to provide loans to students who do not qualify for a subsidized Federal Stafford Loan or who qualify for a subsidized Federal Stafford Loan in an amount less than the annual Federal Stafford limit. The application procedure is the same as for the Federal Stafford Loan Program.

Dependent students who cannot qualify for a Stafford Loan may have their parents borrow for them under the PLUS program. It is not subsidized, the interest rate is variable, and monthly payments usually begin 60 days after disbursement. Parents do not have to fill out the FAFSA.

Short-term institutional loans are made by Odessa College to assist students with registration costs. A student attempting to enroll at Odessa College is eligible to apply if the student has at least a 2.00 GPA and does not have an existing short-term loan. The amount of the loan is for tuition and fees for the current semester. These loans are processed on a first-come, first-served basis. Book loans are not available.

Campus Employment

The Federal College Work-Study Program (FCWS) provides employment opportunities to students who have established financial need. Students work in a wide variety of jobs compatible with their interests and abilities and are paid at least the prevailing minimum wage. Although need determines the amount of total allowable earnings, students generally do not work more than 20 hours per week and arrange their working hours so as not to conflict with classes. Application for the program is made by completing a FAFSA.

The Texas College Work Study
Program provides employment
opportunities to students who have
established financial need. Funds are limited
and athletes are not eligible for the program.
Application for the program is made by
completing the FAFSA.

Non-Work-Study Jobs are available in some departments. These part-time jobs are not need related and the employing department has considerable flexibility in meeting employment needs. Applications may be made to the department in which the student is interested in working.

Scholarships

Odessa College academic scholarships are offered annually to recognize scholastic merit. A large number of scholarships have been designated for individuals from Ector County and 14 other counties in Odessa College's service area. These counties are Andrews, Brewster, Crane, Culberson, Gaines, Jeff Davis, Loving, Pecos, Presidio, Reeves, Terrell, Upton, Winkler and Ward. These scholarships will be awarded to students based on varying levels of academic achievement.

The Career Advancement
Scholarship has been established to
encourage students to pursue career goals
and although academic performance is part
of the selection criteria, recipients need not
be a high ranking honor student to receive
the award. Need is not considered for either
scholarship. Application should be made to
the Student Financial Services Office.

Departmental scholarships are offered each year through the art, music and speech (forensics) departments and are based upon performance, merit, skill and ability. Specific information and application requirements may be obtained by contacting the particular department chair of the scholarship area in which the student is interested.

The Permian Honor Scholarship Foundation invites graduating high school seniors who rank in the top 25 percent of their class to apply for a Permian Honor Scholarship. If selected, a student is granted \$250 per semester for eight consecutive, full-time semesters; four semesters are applicable at Odessa College while the remaining four semesters are available at the University of Texas of the Permian Basin. Students must complete each semester with a minimum of 12 credit hours and with a 2.50 grade point average to maintain their eligibility. Applications are available from the foundation or from area high school counselors.

Other scholarships: In addition to the scholarships described above, others are also available to students attending Odessa College. Many individuals and organizations cooperate with Odessa College in their search for scholarship recipients. These awards are not controlled by, nor are selections made by the college, but every attempt is made to provide applications to these parties within the framework of applicable restrictions. Since some organizations do not contribute annually and other contributors are not known at print time, it is not possible to catalog and list each donor.

Valedictorians

Valedictorians of Texas high schools are eligible for exemption from payment of tuition during both regular semesters at Odessa College following their graduation from high school. Since this is only a tuition exemption, valedictorians are encouraged to apply for other scholarships since their topranking status is certainly worthy of consideration for other awards.

Veterans

Veterans interested in taking advantage of their benefits to pursue or further their education are encouraged to contact the veteran's officer at Odessa College. As with the other programs described above, students are strongly encouraged to inquire into the possible benefits of the Department of Veterans Affairs as far in advance of the semester of planned attendance as possible. This procedure facilitates the coordination of educational claims for benefits between Odessa College and the regional VA office and avoids delays that could occur in the award cycle. The Veteran's Office is a component of the Student Financial Services Office located in Room 203 of the Student Union Building. Veteran students are responsible for following all regulations of the VA and for notifying both the regional VA office in Waco and the Odessa College Veteran's Office of any change in enrollment that may affect their educational benefits.



ACADEMIC AND CLASS INFORMATION

ACADEMIC INFORMATION AND STANDARDS

Student Classification

Students who have completed 29 semester hours or fewer will be classified as freshmen. Students with more than 29 semester hours will be classified as sophomores.

Students will be classified as full-time if they are enrolled in 12 or more semester hours. Students enrolled in fewer than 12 hours will be classified as part-time.

Class Attendance

Students are expected regularly to attend all classes in which they are enrolled. Records of student absences are kept by instructors; when students are absent from class, they are responsible for consulting with the instructor regarding the absence.

Students who plan to be absent to observe religious holy days must submit such notification in writing and either personally give it to the instructor of each class or mail it to each instructor. Each instructor will date and sign an acknowledgment of receipt of the notification. The procedure may be handled in writing, in person or by certified mail with return receipt requested. Such notification to instructors must be made no later than the 15th day after the first day of the semester in which the absence is expected to occur. Within a reasonable time after students return to class following observance of religious holy days, they will be allowed to make up examinations or to complete assignments scheduled during their absence.

Class Load

The normal class load that full-time students may carry during a regular semester will vary with the particular courses for which they have enrolled. Students are classified as full-time when they are enrolled in 12 or more semester hours, but students will normally enroll in 15 to 18 hours each semester as outlined in their course of study or degree plan. Students will not be permitted to take more than six classes of three or more semester hours in one semester without written approval from the Registrar's Office unless a particular course of study for an associate degree, a

certificate of technology, or a certificate of completion specifies a total semester-hour load exceeding 18 hours.

A normal load during each term of the summer session will vary from three to seven semester hours. Generally, the maximum credit that a student may earn during the entire summer sessions is 14 semester hours. In the midwinter session, one course may be taken for the normal amount of credit derived during a regular semester.

The maximum course load for students enrolled in evening classes depends on individual circumstances and ability of the students. The normal load for evening students who have full-time employment is six semester hours or two courses.

Students who are employed while attending classes or who have experienced difficulty previously in academic work should plan course loads in such a way that ample time can be given to all these demands. Usually, three hours of preparation time are needed for each hour of classroom time. Therefore, an average student should plan on investing nine hours of preparation time outside of class each week for each three-hour course taken. Students are encouraged to consult a college counselor or faculty advisor to determine the best program possible.

Schedule Changes

At the beginning of each semester, the college designates a time for students to change their schedules by adding and/or dropping classes. These dates and times are specified in the class schedule for the semester. A schedule change fee of \$5 will be charged for all changes except those caused by the college or those in which a student is only adding hours to the existing schedule.

Withdrawal

So that all records are left in proper order, students who leave Odessa College before the end of a semester or before the end of a class for which they are registered must follow the official withdrawal procedure, which students themselves initiate in the Registrar's Office. Students who wish to

withdraw should appear in person unless there are extenuating circumstances. When an individual other than the student initiates a withdrawal, that individual must be identified and verified for the student's protection. Students who stop attending class without officially dropping will receive an "F" in the class for the semester.

Students who drop classes or withdraw prior to the official census day for the semester will not be assigned a grade for the class or classes dropped. No record of the class will appear on their permanent academic records.

Grades of "W" will be assigned to all students who withdraw or drop semester-length classes during the official withdrawal period of any semester. Students who withdraw or drop classes will be responsible for contacting their instructors as a routine part of the withdrawal process. The instructor will assign a grade of "W" and sign the withdrawal form. Students will then return the form to the Registrar's Office. A grade of "W" is assigned through the official withdrawal period for any semester.

The college reserves the right to withdraw students from any one or all of their classes if, in the judgment of college officials, such withdrawal is in the best interests of the students or the student body.

Advanced Standing and Credit by Examination

Odessa College is an open testing center for College Level Examination Program (CLEP) and will administer those examinations to anyone making application, subject only to restrictions established by the Educational Testing Service and the College Entrance Examination Board. Advanced standing and/or credit may be awarded in some areas by Advanced Placement (AP) exams taken at the high school level. Departmental examinations are administered in most areas in which CLEP examinations are not used at Odessa College. Specific information about CLEP examinations may be obtained in the Testing Center. Department chairs should be contacted regarding applications for advanced standing examinations, credit by departmental exam, or advanced standing and/or credit through AP exams.

Odessa College will accept a total of 15

semester hours of advanced standing credit awarded either by the College Level Examination Program subject examinations, through credit awarded through Advanced Placement (AP) exams, or by approved Odessa College departmental examinations. (Exceptions for additional hours may be granted in some specialized programs such as law enforcement, nursing, and cosmetology or special circumstances which have been approved by the appropriate division dean.) Students must complete inresidence credits equal to the number received by examination before credit by CLEP, AP, or departmental examination will be noted on the student's permanent record card. (Exceptions may be granted in law enforcement or special circumstances which have been approved by the appropriate division dean.)

Students who do not pass a departmental advanced standing examination may retake the test after a period of six months has elapsed, but they must receive permission from the respective department chair in order to do so. No departmental examination may be repeated more than once.

Students who receive advanced standing credit in a course may not apply for advanced standing in prerequisite courses or courses otherwise considered lower in level than the one for which they currently have credit or are currently enrolled. Exceptions would be approved by the respective division dean.

Examinees should check with senior institutions of their choice concerning the acceptance of credit earned by advanced standing examinations. Transcripts will record credit given by examination but will not list a specific grade. Hours earned by examination will not be included in computing grade point averages, scholastic hours, residence requirements for graduation, or credit load requirements for Social Security or Veterans Affairs benefits.

Honor Roll

Students enrolled in 12 semester hours or more during a long semester and making a grade of "A" in all courses are listed on the summa cum laude honor roll. Full-time students who make no grade lower than "B" are listed on the cum laude honor roll.

Part-time and summer session students enrolled in two courses for a total of six semester hours or more and make a grade of "A" in all courses are listed on the parttime student or summer session summa cum laude honor roll. Part-time students enrolled in two or more courses totaling six semester hours or more with no grade lower than "B" are listed on the part-time cum laude honor roll.

Graduation with Honors

A candidate for the associate degree who has completed at least 30 semester hours in residence at Odessa College will be eligible for graduation with honors. A student with a grade point average of 3.5 to 3.699 will be graduated cum laude, a student with a grade point average of 3.7 to 3.899 will be graduated magna cum laude, and a student with a grade point average of 3.90 to 4.0 will be graduated summa cum laude.

Grades

<u>Grade</u>

В

C

D

Z

Incomplete

In progress/

(will be calculated

No grade assessed:

Grading measures the ability of students to master specific objectives within a given course. A grade is based upon the level of performance in examinations, term papers, reports, class discussion and the final examination in the course or project. Odessa College uses the following grade and grade point system:

Description

as an F for GPA)0

grade not reported0

requires re-enrollment0

etricted to developmental

Points Per Semester Excellent 4 Above average3 Average2 Passing, but poor1

Grade

	(restricted to developmental	
	courses)	
F	Failure	0
N	Audit (not taken for credit)	
W	Official withdrawal	0
S	Advanced Standing	

(credit by examination)0 T Transfer credit0 Note: If a course is repeated, the latest grade will be computed in the GPA if the student requests this option in the Registrar's Office. Some schools to which the student might transfer may not exclude the first grade when calculating the student's GPA.

Students are obligated to know their standing and rating in college classes during the semester and to secure these ratings before registering for the next semester. Students are expected to be familiar with their scholastic status at all times. Advisors and counselors are available and will confer with students during and at the end of the semester concerning unsatisfactory work. Such conferences should help determine the cause of unsatisfactory work, and the counseling staff will advise students on ways to improve their performance and will offer any assistance which the faculty and staff can provide.

Grade Point Average and Semester Hours

There are two bases for computing the grade point average (GPA): the semester grade point average and the cumulative grade point average. The GPA for any semester is determined by multiplying the number of semester hours for each course by the number of grade points corresponding to the final grade for the course. The total of all such products for the semester is then divided by the number of semester hours attempted for that period. Incomplete grades are included in calculations of grade averages as an "F" when the final grades for that semester have been recorded. When the course is completed and a grade is assigned by the instructor, the grade point average is correspondingly recalculated. Grades of "W" are not included in the GPA calculation.

The cumulative grade point average is calculated by dividing the total number of grade points by the total number of semester hours attempted by the student in all semesters.

Scholastic Standards

Odessa College is dedicated to providing students with opportunities for success in their course work and with support services. The college recognizes, however, that some students may encounter scholastic difficulties. Consequently, the college has designed a system of scholastic probation and scholastic suspension to identify students with scholastic problems and to provide a mechanism to aid them in recognizing and solving such problems.

All Odessa College degree and certificate plans require that students have a GPA of 2.0 or higher for graduation; therefore, students are considered to be in good standing as long as they maintain a GPA of 2.0 or higher on a semester or cumulative basis.

Scholastic Probation

At the end of each long semester, academic records of all students will be evaluated according to the following criteria:

- The grade point average for the semester will be computed. If the GPA is 2.0 or higher, the student is considered to be in good standing.
- 2. If the GPA is less than 2.0, the cumulative GPA will be examined. If the cumulative GPA is 2.0 or higher, the student is still considered to be in good standing. If the cumulative GPA is less than 2.0, the student will be put on scholastic probation.

Scholastic probation warns students that they need to pay careful attention to academic progress. They will be given the opportunity to take advantage of special study-skills counseling through the Odessa College Counseling Center and appropriate assistance from the developmental education program.

Removal from Scholastic Probation

Students on scholastic probation return to good standing status by earning a GPA of 2.0 or higher the next long semester of enrollment at Odessa College or by having a cumulative GPA of 2.0 or higher at the end of the next semester. A GPA of 2.0 for either the semester or on a cumulative basis will remove students from scholastic probation.

Scholastic Suspension

Students who are on scholastic probation and who do not earn a GPA of 2.0 for the next long semester of enrollment at Odessa College or who do not earn a cumulative GPA of 2.0 by the end of the semester will be placed on scholastic suspension. Students in this category will not be allowed to enroll at Odessa College the next long semester.

Appeal of Scholastic Suspension

Students placed on scholastic suspension may appeal their status to the director of admissions. Extenuating circumstances may allow such students to enroll under continued scholastic probation with specified conditions. Students not in good standing at the end of the continued probation semester must withdraw for the next long semester.

Enrollment After Scholastic Suspension

Students who serve the designated semester of scholastic suspension may enroll for the next long semester. They are, however, still on scholastic probation. At the end of the semester, their GPA will be examined both on a semester and a cumulative basis to determine whether they have returned to good standing.

If their GPA meets minimum requirements, students may continue to enroll without special conditions. If, however, students do not meet minimum GPA requirements, they will again be placed on scholastic suspension. When scholastic suspension occurs a second time, the period of enforced withdrawal will be two long semesters. Following a two-semester enforced withdrawal, students must make a request in writing to the director of admissions for readmission on scholastic probation.

Special Conditions

Students on scholastic probation who enroll in summer school at Odessa College will not have their academic status altered as a result of summer school grades. Students on scholastic suspension who enroll in summer school at Odessa College, who earn a summer GPA of 2.0 or higher and who pass a minimum of nine semester hours for both sessions may petition the

director of admissions for permission to enroll for the fall semester on a continued scholastic probation basis.

Transfer students who are on scholastic probation or the equivalent from the last institution attended and who apply for admission to Odessa College will be required to submit an official transcript for evaluation by the director of admissions. Students who would be eligible to enroll according to Odessa College standards will be admitted and enrolled on scholastic probation for the first semester. Their future academic standing will be determined in the same manner as for other Odessa College students.

Repetition of Courses

All courses, including repeated courses, in which a student is registered on the official day of record will be listed on the official transcript and will appear on the student's permanent academic record. If a course is repeated, the last grade earned will be the grade calculated in the cumulative grade point average when requested by the student in the Registrar's Office. Withdrawals and incompletes, however, may not be used to replace an earned grade. This is not an automatic process. A student must request the change to be made in the Registrar's Office.

Incomplete Grades

The conditional grade of "I" means that students have not completed required work for a course, except in flexible entry classes. The grade may not be given unless students (1) have passed all work completed and (2) have completed a minimum of three-fourths of the required course work.

An "I" grade will not be assigned until conditions for completion of the course work are agreed upon by both the instructor and the student. Whenever possible, such an agreement should be in writing and should be signed by both the instructor and the student. The final decision as to whether a grade of "I" will be assigned rests with the instructor. When an "I" grade is assigned, incomplete work must be completed in the long semester immediately following the one in which the grade was assigned.

Grade Changes

All grade changes must be made by the end of the long semester following the one in which the original grade was assigned. For example, student requests for change of grade to "W" for an "F" received in the fall semester must make the request during the spring semester immediately following. Students wanting a grade change in a course taken during a summer session have until the end of the fall semester to effect the change. Any "I" grade not completed by the student and not changed by the instructor will be computed as an "F" for grade point average purposes. Although an "I" is computed as an "F," the "i" remains on the student's record until the instructor completes a grade change. All grade changes are at the discretion of the instructor or, if the instructor is no longer available, the department chair.

Students are not routinely notified by the college when a grade change has been processed. Students should contact the instructor for the information or should request a new copy of their college transcript.

Transferring Credit

Transfer Credit from Another Institution

Previous course work satisfactorily completed at regionally accredited institutions of higher education will be evaluated for transfer and may be applied toward a degree program at Odessa College.

A transcript will be evaluated after a student has registered for Odessa College credit classes and it will be evaluated only upon the request of the student. An official transcript is required from each college attended. The request for an evaluation should be made through the Registrar's Office, Room 202 of the Student Union Building.

When the evaluation is complete, the number of transferred hours will be recorded for degree audit purposes only and will be posted to the Odessa College transcript at graduation when the student has satisfied all degree requirements. Only those transfer courses accepted and listed on the student's degree plan will be posted to the Odessa College transcript.

If Odessa College does not accept lower division, academic course credit earned by a student at another Texas public institution of higher education, Odessa College shall give written notice to the student and the other institution that the transfer of the academic course credit is denied. The two institutions and the student shall attempt to resolve the transfer of the academic course credit in accordance with Texas High Education Coordinating Board rules and/or guidelines. If the transfer dispute is not resolved to the satisfaction of the student or the institution at which the credit was earned within 45 days after the date the student received written notice of the denial, the party who is not satisfied shall notify the Commissioner of Higher Education or the commissioner's designee, who shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions. Students shall be aware that this provision was intended to apply to general academic courses such as English, biology, history, government, math and other such courses intended for transfer among Texas public institutions of higher education and may not apply to occupational or technical courses which often vary greatly in content.

Transfer of Odessa College Credit to Another Institution

With the adoption of the Common Course Numbering System, transferring among Texas colleges and universities has become easier. This system allows students to take courses at Odessa College that are numbered the same at many Texas public colleges and universities.

Courses taken at Odessa College normally transfer to all other accredited institutions at face value. Grades earned at one college cannot be lowered by another college or university. However, courses taken that are not required for graduation at the senior college or university will not apply and, therefore, should not be taken at this institution. Before registering, students should contact a counselor or advisor at Odessa College for maximum assistance in planning a program.

Senior colleges vary in their recognition of a grade of "D" in a course. Some senior institutions accept a grade of "D" if the student's overall average is "C" or better. Certain senior colleges may require that the student repeat any course in which a "D" has been made.

When enrolling at Odessa College, or before if possible, students should select the senior institution to which they want to transfer after leaving Odessa College. They should become familiar with transfer requirements by contacting the senior institution and then design a suitable course of study to follow while at Odessa College. Counselors and advisors will assist.

Generally speaking, senior institutions will not accept more than 66 semester credit hours in transfer. Students should avoid exceeding this number of hours. Senior colleges vary greatly in their practices regarding allowance of credit for courses pursued at junior or community colleges.

When students at Odessa College transfer to another institution, no transcripts will be released until all records at Odessa College have been cleared.

If another Texas public institution of higher education does not accept lower division academic course credit earned by a student at Odessa College, that institution is obligated by the Texas Higher Education Coordinating Board to give written notice to the student and Odessa College that the transfer of the academic course credit is denied. The two institutions and the student shall attempt to resolve the transfer of the academic course credit in accordance with Texas Higher Education Coordinating Board rules and/or guidelines. If the transfer dispute is not resolved to the satisfaction of the student or Odessa College within 45 days after the date the student received written notice of the denial, the party or parties who is/are not satisfied shall notify the Commissioner of Higher Education or the commissioner's designee who shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions. Students should be aware that this provision was intended to apply to general academic courses such as English, biology, history, government, math and other such courses intended for transfer among Texas public institutions of high education and may not apply to occupational or technical courses

which often vary greatly in content.

Military Experience and College Credit

Odessa College does not routinely give academic credit for military experience. If individuals have acquired skills normally learned in a course or in courses in their degree plan, they are encouraged to utilize the credit by examination option. Odessa College does award credit for physical education activity courses when a DD-214 is properly submitted to the Registrar's Office.

Students who have passed military CLEP examinations may have those results evaluated as if the testing were done under Odessa College guidelines. Credit will be awarded only if credit would be awarded on the basis of examinations taken at Odessa College.

If military credit has been awarded on an official transfer transcript from an institution accredited by the appropriate regional accrediting association, that credit will be evaluated in the same manner as any other transfer work.

Articulation with Area High Schools

Articulation agreements between Odessa College and area school districts provide the opportunity for advanced placement in Odessa College for students enrolled in technical programs offered at Odessa College.

These agreements permit students to move directly into advanced courses upon presentation of evidence of skill mastery determined by appropriate documentation.

Information regarding these articulation agreements can be obtained from the Odessa College Admissions Office, Odessa College counselors or high school counselors.

Tech-Prep Programs

Odessa College is an active participant in tech-prep activities at the national, state and local levels. Designed primarily to insure that high school students are prepared to meet the challenges of today's technology in the work environment, tech-prep programs offer students the work place skills and technical training to place them into good jobs in their selected field or to go on to additional education.

Local public schools and Odessa
College work closely together in tech-prep
programs to be sure that students are
prepared for high level classes and to be
certain that students do not have to repeat
work they have mastered in high school
when they enter college. OC awards college
credit to tech-prep students for courses
(approved in each program) they have taken
in high school.

Approved tech-prep programs are available in the following areas: child development, law enforcement, nursing and office systems technology. Other programs are being developed. Students who are interested in tech-prep programs should contact their high school counselor or a counselor at Odessa College for more information.

Transcript of Record

The transcript of record is an official copy of the student's permanent record. Copies will be supplied upon written request. Students may instruct the Registrar's Office to mail official transcripts to colleges or universities to which they are applying or to prospective employers, etc. A charge of \$3 will be made for all copies. Transcripts become the property of Odessa College and cannot be returned to the student. Transcripts will be kept on file for one year and will be destroyed if the student has not enrolled.

A transcript of continuing education units earned in a non-credit course is available through the Continuing Education Office.

To protect student records, Odessa College adheres to the conditions by which information about students can be released as set forth in The Family Educational Rights and Privacy Act of 1974, as amended.

PLANNING AND APPLYING FOR DEGREES AND CERTIFICATES

Students working toward a degree or certificate from Odessa College should consult a counselor or faculty advisor early in their academic career to ensure that all required courses are being completed. Students should complete written degree/ certificate plans well in advance of anticipated graduation with the assistance of the appropriate department chair, division dean or with an Odessa College counselor. The student will file a written, signed copy of the plan with the Registrar's Office.

Preparation for Degree Study

The Texas Higher Education Coordinating Board recommends that high school students who plan to seek a four-year college degree should follow the advanced or the advanced honors diploma option. Students who plan on earning a technical degree (A.A.S.) should follow a tech-prep plan when possible. If a tech-prep program does not exist in the desired field, a student should follow the advanced or advanced honors diploma option and take electives in the field of interest. Students who graduate with the regular high school diploma are still admitted to Odessa College but may find themselves needing to take courses that are not in the degree plan in order to prepare them for the higher-level courses or degree study

Adults who have been out of the educational system for a period of time or who may not have earned a high school diploma or GED are encouraged to pursue degree options. Career exploration opportunities are available for students and placement tests may be given to help determine what preparation, if any, a student may need in order to succeed in degree courses.

Graduate Guarantee

In April of 1992, the Odessa College Board of Trustees adopted a resolution which guarantees, with certain limitations, the associate degrees and certificates awarded by Odessa College. The guarantee refers to the transferability of academic credits and technical job skills. Specific details concerning this guarantee may be obtained through the Office of the Executive Vice President for Instruction.

Catalog Applicability

Students may graduate under the catalog that was in effect at the time they first entered Odessa College so long as no more than seven years have elapsed since their initial registration. If the time limit has passed and students still wish to be certified on the basis of the requirements of the catalog under which they first entered, they must petition for such certification to the appropriate department chair.

Graduating students also have the option of graduating under the catalog in effect at the time of completion. The decision as to which catalog will apply for graduation should be made only after consultation with the appropriate academic advisor.

Applying for Graduation

Students completing degree requirements during the summer or in December are encouraged to participate in spring graduation ceremonies. Students who complete requirements at the end of the spring semester will be expected to participate unless unusual circumstances prevent such participation.

To receive an associate degree from Odessa College, students must complete degree requirements as set forth in the catalog and complete a degree application in the Registrar's Office by the deadline specified in the official college calendar. Summer graduates should observe the deadline for fall graduates.

deadline for fall graduates.
Odessa College charges a \$15
graduation fee. Fees for caps and gowns
and invitations also are paid by students.

Second Degrees

Students who have earned a degree at Odessa College may apply for a second degree after all stated degree requirements for the second degree have been completed, including a minimum of 15 semester hours taken in residence at Odessa College after the initial degree has been awarded.

Deadline for Degree and Certificate Applications

Students must complete a degree or certificate application within 12 months after completion of their degree or certificate requirements. Applications received after the designated time limit will be reviewed and evaluated by the director of admissions and registrar.

Degree Requirements

Residency Requirements: Associate Degree

To receive an associate degree, a student must meet one of the following residency options:

Option 1: Complete a minimum of 48
semester credit hours at Odessa
College; and, if the degree is in a
technical or vocational program,
complete at least 12 semester
hours in the major field at

Odessa College.

Option 2: Complete a minimum of 15 semester credit hours at Odessa College, at least 12 of which must be the last hours taken before the degree is granted; and, if the degree is in a technical or vocational program, complete at least 12 semester hours in the major field at Odessa College.

Residency Requirements: Certificates of Technology or Certificates of Completion

To receive a certificate of technology or a certificate of completion, a student must meet the following residency requirements:

A minimum of 60 percent of the total certificate requirements must have been completed in residence at Odessa College; also, a minimum of 60 percent of the technical and/or vocational program courses required for the certificate must have been completed in residence at Odessa College.

Residency Requirements: Award of Institutional Recognition

An award of institutional recognition that consists of less than 15 semester credit hours may be given in certain technical or vocational programs. To be eligible to receive an award of institutional recognition, the student must complete all courses required for that award of recognition in residence at Odessa College.

Associate in Arts Degree

To qualify for the associate in arts degree (A.A.), students must complete the following requirements:

- English: ENGL 1301 and ENGL 1302 and six hours of sophomore English.
- Speech: Three semester hours.
 - Foreign Language or Mathematics

- or Science: One year (six to eight semester hours in same discipline).
- Government: GOVT 2301 and 2302
- History: HIST 1301 and 1302 (HIST 2301 may be substituted for either course).
- Physical Education:
 Two one-hour activity classes.
 Veterans who have one year active service credit may satisfy the PHED requirement by submitting a copy of Form DD-214 to the Registrar's Office.
- Elective outside the major area: A three-semester-hour minimum.
- A minimum of 63 semester hours.
- A minimum average of "C" (2.0) in all work. Transfer students must also have an average of "C" (2.0) in all work taken at Odessa College.
- A minimum of 15 semester hours of sophomore courses, six semester hours of which must be in the same discipline.
- Either (1) a minimum of 48 semester hours completed at Odessa College or (2) a minimum of 15 semester hours with at least 12 semester hours completed immediately prior to the granting of the degree.
- Students who are not exempt from the provisions of TASP must pass all three sections and have scores reported to Odessa College.
- Discharge of all financial obligations to Odessa College prior to graduation.

Associate in Science Degree

To qualify for the associate in science degree (A.S.), students must complete the following requirements:

- English: ENGL 1301 and 1302 and three hours of sophomore English.
- Speech: Three semester hours.
- Government: GOVT 2301 and 2302
- History: 1301 and 1302 (HIST 2301 may be substituted for either course).
- Mathematics: One year (six semester hours).
- Physical Education: Two one-hour activity classes.
 Veterans who have one year active service credit may satisfy the PHED requirement by submitting a copy of
- Form DD-214 to the registrar's office.

 Science: A minimum of 12 semester hours.

- Elective outside the major area: A three-semester-hour minimum.
- A minimum of 63 semester hours.
- A minimum average of "C" (2.0) in all work. Transfer students must also have an average of "C" (2.0) in all work taken at Odessa College.
- A minimum of 15 semester hours of sophomore courses, six semester hours of which must be in the same discipline.
- Either (1) a minimum of 48 semester hours completed at Odessa College or (2) a minimum of 15 semester hours with at least 12 semester hours completed immediately prior to the granting of the degree.
- Students who are not exempt from the provisions of TASP must pass all three sections and have scores reported to Odessa College.
- Discharge of all financial obligations to Odessa College prior to graduation.

Associate in Science in General Studies Degree

To qualify for the associate of science in general studies degree (A.S.G.S.), students must complete the following requirements:

- A minimum of 63 semester hours and meet residency requirements.
- A minimum average of "C" (2.0) in all work taken at Odessa College.
- A minimum of 15 semester hours of sophomore courses.
- Students who are not TASP exempt must pass all three sections and have scores reported to Odessa College.
- Discharge of all financial obligations to Odessa College prior to graduation.
- Complete the following requirements:

Semester Hrs

- (See Course Selection List that follows.)
 Life Enrichment Electives*9

Total Semester Hours Required63

* Course Selection List for Associate in Science in General Studies Degree

- Math and Science (nine semester hours required)
- Mathematics (three semester hours required): 1314, 1316, 1332, 1333, 1342, 1348, 2313, 2314, 2315, 2318, 2320
- Chemistry: 1311, 1312, 2301, 2323, 2325
- Biology: 1406, 1407, 1408, 2306
- Geology: 1403, 1404
- Physics: 1401, 1402
- Agriculture: 1407, 1413, 1415, 1419, 2317
- Social and Behavioral Science (nine semester hours required)
- History (three semester hours required): 1301, 1302
- Government (three semester hours required): 2301, 2302
- History: 2301, 2311, 2312, 2381
- Psychology: 2301, 2302, 2308, 2315, 2319
- Sociology: 1301, 1306, 2301, 2306, 2319, 2326, 2339, 2371*
- Anthropology: 2301, 2351
- Geography: 1301, 1302
- Communication Science (12 semester hours required)
- English (six semester hours required): 1301, 1302, 1312, 2307, 2311, 2322, 2323, 2327, 2328, 2332, 2333
- Speech (three semester hours required): 1315, 1321, 1342, 2341, 1311
- Spanish: 1300, 1310, 1411, 1412, 2311, 2312, 2321, 2322
- French: 1411, 1412, 2311, 2312
- German: 1411, 1412, 2311, 2312
- Mass Communication: 1307, 1335, 1336, 2303, 2331, 2339
- Life Enrichment Electives (nine semester hours required)
- Computer Science (three semester hours required): COSC 1301 or COSC 1415, BCIS 1200*, BCIS 1401*, COSC 1418, COSC 2418
- Arts 1301, 1303, 1304
- Business Administration: 2301
- Child Development: 1302*, 1308*, 1310*, 1311*
- Culinary Arts: 1201*, 1202*, 1203*, 1206*
- Engineering: 1304
- Humanities: 1315
- Management: 1301*, 1321*, 2322*, 2330*
- Music: 1306, 1308, 1370*
- Philosophy: 1301, 2306
- Office Systems Technology: 1100*, 1402*, 1404*, 1406*, 1424*, 1321*, 1322*, 2304*, 2430*
- Physical Education: (all courses)
- Mass Communication: 1316, 1318, 1319, and Photography: 2370*

Other Electives (24 semester hours required) Any 24 semester hours from the preceding options with no more than 12 semester hours permitted from each option.

"Students should consult the catalog of the college or university they wish to transfer to prior to selecting courses from the preceding categories."

Associate in Applied Science Degree

To qualify for the associate in applied science degree (A.A.S.), students must complete the following requirements:

■ English: ENGL 1301

Speech: SPCH 1315 or SPCH 1321 as specified in each program

specified in each program.

Government: GOVT 2301 or GOVT 2302 as specified in each program.

 Computer Science: COSC 1301 or BCIS 1401 as specified in each program.*

 Mathematics: Three semester hours of college-level math as specified in each program.

Physical Education: Two one-hour activity classes.

Veterans who have one year active service credit may satisfy the PHED requirement by submitting a copy of Form DD-214 to the Registrar's Office.

Humanities/Philosophy/Fine Arts: Three hours as specified in each program. The Texas Higher Education Coordinating Board has determined that ENGL 1302 or courses with the course prefixes ARTS, COMM, FREN, GERM, HUMA, LATI, MUAP, MUSI, PHIL, SPAN, or SPCH will satisfy this requirement

Science: As specified in each program.

Major concentration and electives: As specified in each program.

A minimum of 63 semester hours.

A minimum average of "C" (2.0) in all work. Transfer students must also have an average of "C" (2.0) in all work taken at Odessa College.

 A minimum of 15 semester hours of sophomore courses, six semester hours of which must be in the same discipline.

Either (1) a minimum of 48 semester hours completed at Odessa College or (2) a minimum of 15 semester hours with at least 12 semester hours completed immediately prior to the granting of the degree.

A minimum of 12 semester hours in the major field must be completed at

Odessa College.

Students who are not exempt from the provisions of TASP must pass all three sections and have scores reported to Odessa College.

 Discharge of all financial obligations to Odessa College prior to graduation.

*Completion of the clinical laboratory sciences program or a passing score on the COSC 1301 competency-skills test, given by the computer science department, will satisfy this requirement.

Certificates of Technology

Certificates of technology are awarded for completion of program requirements with a minimum average of "C" (2.0) in all work in certain occupational and technical curricula as prescribed in the Odessa College catalog or as approved by the respective division dean.

A minimum of 60 percent of the technical and vocational program course requirements and 60 percent of the total certificate requirements must be completed at Odessa College.

Students who are not exempt from the provisions of TASP or not in a TASPwaived certificate program must pass all three sections and have scores reported to Odessa College.

Discharge of all financial obligations to Odessa College prior to graduation.

Veterans who have one year active service credit may satisfy PHED requirement, if any, by submitting a copy of Form DD-214 to the Registrar's Office.

Certificates of Completion

Certificates of completion are awarded for completion of program requirements with a minimum average of "C" (2.0) in all work in certain occupational and technical curricula that concentrate on a specific job skill, licensure requirement or subject matter mastery as prescribed in the Odessa College catalog or as approved by the respective division dean. Check with the respective program or department chair for information on these certificates. (See requirements under "Certificates of Technology.")

Institutional Recognition

Awards of institutional recognition that consist of 15 or fewer semester credit hours may be given in certain technical or vocational programs. To be eligible for an institutional award of recognition, the student must complete all courses required for that award at Odessa College.

THE COLLEGE YEAR AND SCHEDULE

Fall Semester

Classes for the fall semester begin the middle to latter part of August and conclude before Christmas. Grade and scholastic standing reports are made available to students late in December.

Spring Semester

Classes for the spring semester begin the middle part of January and conclude in early May. Formal graduation ceremonies are held at the end of the spring semester.

Summer Session

The summer session consists of two terms of 5-1/2 weeks each, although some programs may have courses that are shorter or longer, depending upon the need. Classes are held Monday through Thursday, both during day and evening hours. Students may enroll in as many as seven semester hours in each 5-1/2 week session. Credit earned in a course is equivalent to that offered in the same course during a regular semester. Information regarding the summer session can be obtained from the Counseling Center of Odessa College.

Midwinter Session

Odessa College offers a special shortterm session to accommodate students who want to complete a course during the interim period between regularly-scheduled semesters. A midwinter interim session is held following the end of the fall semester and prior to the beginning of the spring semester. Students may complete a two- or three-semester hour course during this special session.

May Semester

Odessa College is offering a minisemester in May 1996 between graduation and the beginning of summer school. This mini-semester is similar to Odessa College's midwinter semester and will allow students to enroll in a three-hour course, which, together with both summer sessions will provide the opportunity to do the normal course work for a long semester. This schedule opportunity is unique to the 1996 schedule and open to all college students who would like to maximize their number of semester hours in the summer.

Evening Classes

Evening classes represent an extension of curricula offered during the day and are an integral part of the total educational program. Primarily, evening courses accommodate those individuals of the community who want to carry less than a full college course load because they are employed full time during the day. A wide variety of courses is offered for those individuals who want to broaden their educational backgrounds.

Students may complete requirements for an associate degree or certificate plan in most programs during evening hours, although the length of time to complete the programs may be longer than suggested for full-time day students.



INSTRUCTIONAL SUPPORT AND SPECIAL PROGRAMS

Odessa College makes available to students and community members a variety of programs and services. These offerings support the instructional mission of the college and offer enrichment opportunities to participants.

Learning Resources and Distance Education

Learning Resources Center

The essential objective of the Murry H. Fly Learning Resources Center (LRC) is to support and enhance curriculum programs and classroom research needs by providing a wide assortment of services and resources of more than 70,000 books, 490 current periodicals, eight daily or weekly state and national newspapers and 4,000 audiovisual holdings. In addition, numerous multimedia and computer-assisted instructional programs are available for particular disciplines, as well as extensive files of pamphlets, articles, reprints, etc. of information not otherwise accessible. The **Technical Services and Public Services** departments work closely with the faculty and staff in selecting and acquiring books. journals and audiovisual materials to serve the instructional and support programs of the

Access to information on the LRC's circulating collection is available via an online catalog along with other information sources. The campus also uses the on-line catalog for access to the Internet, the nation's information highway. Use of the system is available both on campus and at extension sites. Additionally, computer technology is used for several reference tools such as Expanded Academic Index, Health Reference Center on CD-ROM, MLA, StatBank and World Book, Grolier's and Britannica electronic encyclopedias. Also available is Newsbank, a specialized resource of monthly compilations from more than 500 U.S. newspapers, which can be searched by subject. A comprehensive collection of U.S. college catalogs also is maintained. Computer labs are located in the LRC as well as an extensive software collection containing the most popular word processing, database management and spreadsheet systems.

The Public Services Department provides both general and specific instruction in the effective use of the LRC. Scheduled delivery, pickup and maintenance of equipment for classroom instruction is provided. Suggestions and comments regarding materials or services are continually and seriously invited.

Extension Centers

The Regional Extension Center at Pyote (RECAP) provides many of the college courses offered on the Odessa College campus. Registration for any extension class can be completed at extension sites or at Odessa College. Dates and times will be developed through the student services office at Odessa College. Area newspapers usually carry notices of registration dates, times and a list of course offerings.

Odessa College also offers classes at extension sites located in Andrews, Crane, Kermit, Pecos, Seminole, Wink and other sites as well as at Odessa High and Permian High schools.

Information concerning extension centers can be obtained from the director of off-campus programs at 335-6652.

Instructional Television

Telecourses, college-credit classes taught with the aid of television, are offered throughout the year. Courses offered vary each semester and are applicable toward several degree plans. All telecourses are identified in class schedules published each semester.

For those students who have work schedules that conflict with on-campus instructional times or who have difficulty commuting to campus, telecourses provide the opportunity to select a class time compatible with almost everyone's obligations. While telecourses are more convenient than on-campus classes, they are not easier than on-campus classes.

Telecourses combine televised lessons with related reading and writing assignments in addition to on-campus sessions for orientation, review and examination.

All course components are supervised by a faculty member available to students by telephone during predetermined hours.

KOCV-TV/Channel 36, a member of the Public Broadcasting Service, broadcasts individual lessons at least once during the week and again on weekends. Typically there are 30 one-half hour tapes in a course. KOCV's signal can be received in an approximate 30-mile radius of Odessa. Cable companies in Andrews, Crane, Midland, Monahans, Odessa, Stanton and other surrounding communities also carry the signal. Copies of all the telecourse videotapes are available in the Learning Resources Center for students who miss a broadcast.

Students may register for the telecourses during all regularly scheduled registration periods both on campus and at all off-campus registration sites.

Radio and Television Stations

Odessa College owns and operates both a public FM radio station and a public television station. KOCV-FM, 91.3, has been on the air since 1963 and serves not only as an alternative listening source for area residents but also is used to train students in the radio field. Since 1989 KOCV-FM has been affiliated with the National Public Radio network. KOCV-TV, Channel 36, is the public television station for the Permian Basin and has been on the air since March 1986.

Developmental Education

Many students enter Odessa College lacking some of the basic skills necessary for college level reading, writing and mathematics. The Developmental Education program offers courses and activities designed to help students overcome such deficiencies.

To discover the level of his or her abilities, the student may go the Testing Center where diagnostic and placement tests are used to identify which basic skills the student needs to acquire and determine which courses he or she needs to take.

Developmental Education courses and activities are available in basic English, basic mathematics, reading and study skills improvement. All courses listed in this program grant from one- to three-credit hours, but these credit hours do not satisfy the requirements of any degree plan at Odessa College, nor will they transfer to another college or university.

In addition to the courses offered, the program maintains a Tutoring Center where any student can receive assistance with course work or skill development from either a more advanced fellow student or an instructor. The student who needs help with coursework or study skills should come to the center and request assistance at any time it is open. The Tutoring Center is located in the Electronics Technology Building, Room 120.

Technical Programs

Odessa College offers a wide variety of technical programs designed to enable a student to enter his chosen career field as a skilled employee after one or two years of college work.

These programs were established only after studies verified that employment opportunities will exist at the time students complete the program. The community's manpower requirements are matched with the ambitions and goals of the student. This realistic approach to technical education is made possible by the excellent cooperation of local industry, businesses and public agencies that look to the community colleges for skilled personnel.

Odessa College maintains continuous liaison with prospective employers to assist in placement of graduates and to keep programs up-to-date with current job requirements. Essential occupational skills are taught in these classes by faculty who have years of working experience, as well as appropriate academic credentials.

Based on community studies that identify additional occupational needs that can be met by Odessa College, recommendations for adding new programs to the college offerings will be made periodically.

Technical courses carry college credit leading to an associate in applied science degree, a certificate of technology or a certificate of completion.

Upward Bound

Upward Bound is a federally-funded project for high school students who have the potential to succeed in education beyond high school and need a broad base of support — academics, enrichment, motivation, career counseling and pre-college skills development — to accomplish their goals.

Students served by Upward Bound must meet low income guidelines, potential first generation college criteria and attend a targeted high school in OC's service area.

During the school year, the Upward Bound participants receive academic and career services and come to the OC campus on Saturdays for enrichment classes and field trips.

During the summer, students participate in a six-week residential program. Students live on the OC campus in supervised

residence halls and take classes in math, science, foreign language, English composition and literature. They also participate in cultural and other educational activities during the summer session.

For more information, contact: Upward Bound, Odessa College, 201 W. University, Odessa, Texas 79764, or call 335-6311.

Continuing Education

Odessa College offers a wide variety of short-term, non-credit courses for members of the community who want to broaden their educational experiences but who are not interested in obtaining college credit. These courses may range from a one-day workshop to a full nine-month program, but typically their duration is shorter than the regular semester. Many professionals obtain continuing education units (CEUs) through the program for certification and recertification requirements.

Non-credit short courses, seminars, teleconferences and workshops offer a wide range of activities intended to accommodate individuals of all ages. During the year, Odessa College will plan credit-free courses, seminars, teleconferences and workshops in cooperation with business, industry, individuals and organizations in the community. There are no entrance requirements for most continuing education courses; any individual who can profit from them may enroll. Extension classes in area cities also are offered. Students who desire credit for a non-credit course may apply for credit by examination where applicable.

Almost any course that is of public interest can be organized if enough students ask to be enrolled, provided that a competent instructor and suitable facilities are available. A schedule of Continuing Education courses may be obtained from the Continuing Education Office or the Drivethru Registration Booth or by calling the Continuing Education Office.

Training for Business and Industry

Continuing Education works with business and industry to provide education and training for employees. Contracts can range from billing for tuition for an individual enrolling in any course to providing a course for a company's employees on campus or at the business site.

Customized training also is available if a company needs a course designed for a specific educational need.

Business Incubator

The Odessa College Business Incubator, located at Noel Center in downtown Odessa, opened in November 1990. Designed to help small businesses in their start-up phase, the incubator is a flexible program meant to encourage the businesses' development and the enhancement of the local economy by diversifying and broadening the business base.

In general, incubators are facilities in which a number of new and growing businesses operate under one roof with affordable rents, on-site business counseling and advisement, shared services and equipment, and access to a wide range of professional, technical and financial programs.

As businesses mature and become profitable, they move into private sector facilities that they lease or purchase on the open market. The time limit set for tenant occupancy in the OC Business Incubator is generally three years.

The mission of the OC incubator is: to stimulate creation of jobs and to help in retaining area employment opportunities by providing an environment conducive to the start up and growth of small businesses; to provide essential skills to incubator tenants to increase their potential for success; and to realize a return on the college's investment through jobs, diversification of the local economy, increased student enrollment, an expanded tax base and new opportunities for business investment.

Those interested in learning more about the OC Business Incubator are invited to call the incubator manager at 333-7409 or come by 619 N. Grant Ave. for a tour.

Adult Basic Education

Odessa College offers basic education classes for adults who have not completed high school. Classes range from level one instruction to teach adults to read and write to classes that prepare adults to successfully complete the state-administered high school equivalency General Education Development (GED) test. Classes are free, and textbooks are provided. During a typical school year, enrollment in Adult Basic

Education classes averages 2,500 students.

The five major subject areas are math,
English, social studies, natural science and
writing (literature and the arts). Life skills and

functional skills relating to careers and personal development also are available. Morning, afternoon and evening classes are available at the Noel Adult Learning Center, 619 N. Grant Ave.; and afternoon and evening classes are available at numerous sites in Odessa. Adult Basic Education classes are sponsored not only in Ector County but also in Andrews, Brewster, Culberson, Jeff Davis, Pecos, Presidio, Reeves, Terrell, Ward and Winkler counties.

Classes for literacy, preparation for the U.S. citizenship exam and English as a Second Language are available. Classes are self-paced, and instruction is directed toward individual needs. Odessa College has computer-assisted instruction for all levels and subjects taught at Noel Center and at the Fort Stockton and Andrews learning centers.

In addition to GED test preparation classes, Odessa College also sponsors a competency-based program in cooperation with the Ector County Independent School District to allow adults with less than a high school education the opportunity to earn a high school diploma. These students must be at least 19 years of age, officially withdrawn from public school and need no more than four credits for graduation.

Assessment, counseling and orientation sessions are scheduled to begin at three-week intervals. The official GED pretest is administered Tuesday through Thursday at no charge to adults to determine if they are prepared to successfully complete the GED test or if they would benefit from classes.

For more information on class locations and times, call Adult Basic Education at Noel Center, 619 N. Grant Ave., 332-9477. Adult Basic Education class schedules also are included in the Continuing Education Schedule.

Children's Center

The Odessa College Children's Center provides daytime care for some 50 to 60 children of community residents and students and operates a Head Start satellite center for 36 children. The Children's Center accepts children from birth to 6 years. It is open year-round from 7:30 a.m. to 5:30 p.m. Monday through Friday, except on regular college holidays. While providing a child care service for the community, the Children's Center also serves as a learning laboratory for students in the Odessa College child development program and in child psychology classes.

Athletics

Odessa College athletic teams hold 43 national titles. The institution has earned a national reputation for its outstanding athletic programs. More than 500 athletes from Odessa College have won National Junior College All-American honors. The athletic program includes teams in women's basketball, track and rodeo. Men's teams compete in baseball, basketball, golf and rodeo.

The Wranglers are members of the National Junior College Athletic Association and the Western Junior College Athletic Conference. Each sport has a full schedule, and the athletic teams compete in National Junior College Athletic Association tournaments every year. Some of the honors and titles won by Odessa College athletic teams include:

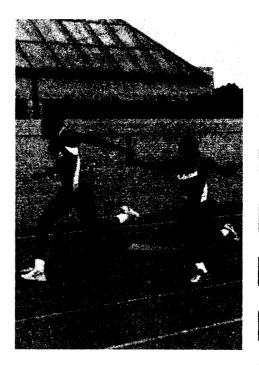
Men's Basketball: The Wranglers have had an active basketball program since 1952. The cagers were runners-up in the Region V Tournament in 1958, and conference co-champions in 1979, conference champions in 1989, 1993 and 1994, and regional champions in 1988, 1989, 1990 and 1993. The 1993 team also won the state championship. Since 1992 four players have been designated All-American.

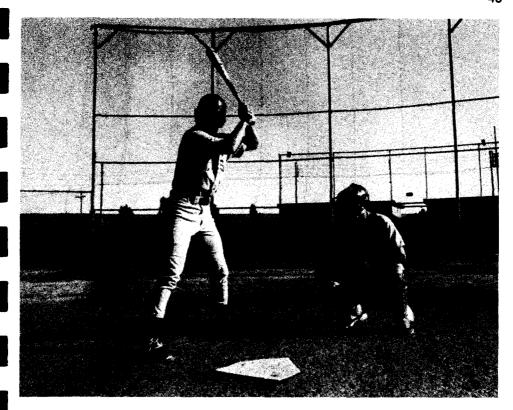
Women's Basketball: The Lady Wranglers have won the conference championship six times, in 1980, 1984, 1985, 1986, 1989 and 1991; and the regional championship five times, in 1980, 1985, 1986, 1989 and 1991. They finished second in the 1985 national tournament and won the NJCAA national championship in 1986 and 1991. They have produced 17 All-Americans, more than 50 All-Conference players and more than 40 All-Region players. For 16 consecutive years, they were nationally ranked. Four times they were ranked No. 1 in the nation. From 1984-86, the Lady Wranglers recorded 79 regular season games without a loss.

Golf: In 1959, OC hosted the first National Junior College Golf Championship. OC won the national title in 1959, 1960, 1961, 1962, 1963 and 1965. The Wranglers have captured the conference title 17 times and have had 37 All-Americans in golf. OC won regional championships in 1988 and 1990 and finished eighth in the national tournament in 1991. The 1995 team finished seventh at nationals.

Rodeo: For the first two years, OC had only a men's team; in 1986, a women's team was added. Members of the men's teams qualified for the college national finals in 1985, 1986, 1987, 1989, 1990, 1991 and 1994. Members of the women's team also qualified for the national finals in 1993 and 1994. The men's teams have won 11 regional event titles, two regional team championships, nine national event titles and the National Intercollegiate Rodeo Association national team championship in 1989. Members of the men's team brought home a first place in national competition in bull riding in 1986 and first place in calf roping in 1989 and 1990. Odessa College is recognized as a power rodeo school in the NIRA's Southwest Region.

Women's Track: In 1989, a women's track team was added to the OC athletic program and the team won the NJCAA national outdoor championship its first year out. The 1991 team finished third at the NJCAA national indoor meet and fourth at the NJCAA national outdoor meet. The 1994 team captured the NJCAA indoor national championship. The 1995 team finished fourth at both the indoor and outdoor meets.





Men's Baseball: OC began competing in baseball in 1990 for the first time since 1969. The team advanced to the state tournament its first year and was both conference and regional champion in 1992. It had 12 players either drafted or signed to professional contracts in its first two years. The team's two-year record was 86-42, the best two-year start for a new program for the NJCAA. The baseball team had the school's first All-American in baseball in 1992 and another All-American in 1994. A team member also was named an Academic All-American in 1994. The Wranglers were the conference champions in 1993 and the conference and regional runner-ups in 1994. In 1995 the Wranglers finished third in the nation in the JUCO World Series, with several team members winning national honors.

Sports Center

This 110,000 square-foot recreational complex located on the Odessa College campus is home to the OC Wrangler and Lady Wrangler basketball teams. In addition there are racquetball courts, two gymnasiums (one for competition and one for community activities), indoor and outdoor tracks, weight training facilities, a Fitness Center/Super Circuit training room, a dance room and an indoor pool.

Students and community members all benefit from the classes and activities centralized at the Sports Center. Students who present a valid identification card have access to the facility and recreational equipment. Use of the Super Circuit is limited to individuals who are enrolled for use of that area.

The public is invited to be a part of the Sports Center. Activity cards may be purchased by non-students, and a variety of activity membership options are available. Individuals or groups also may rent the facility for special events or parties. Please come by or call 335-6348 for more information.



STUDENT LIFE AND SERVICE ACTIVITIES

The Student Life area of Odessa
College is dedicated to enhancing
opportunities for student success. From the
time a person makes initial contact by
telephone or in person at the Student
Information Center, Student Life personnel
are available to make each person's
association with Odessa College a positive
experience. In addition to supporting
students in instructional endeavors, student
life also provides enrichment in a variety of
special activities, programs and services.

Student Information Center

Every new student who attends Odessa College begins the admission process in the Student Information Center, which is the hub of the Enrollment Management division. The Student Information Center provides information about getting started in college. The center also sponsors lectures, workshops, facilitates the admission process, provides general OC information and offers campus tours. The Student Information Center staff is available to help potential, current and existing students with college forms, questions and information about college in general.

Counseling and Academic Advising

The Counseling Center exists to help students make decisions and solve problems. Some of the services available to students are academic advisement, admissions/transfer information, crisis intervention, individual or group counseling and vocational guidance.

Assistance is free and confidential. Any problem or concern that interferes with the attainment of academic, vocational or personal goals can be discussed with a counselor of the student's choice. Students who have visited the Counseling Center

have received help in clarifying educational and personal goals, selecting careers and college courses, reducing stress and worry, improving family and other relationships and improving communications and decisionmaking skills.

Counseling at Odessa College includes many programs designed to promote the success and well-being of students. The staff also welcomes requests for help or information from community members.

The center is located in Room 204 of the Student Union Building. Students may drop by or schedule an appointment to see a counselor. Periodically, special activities, programs and structured group experiences will be offered as well.

Career Services

The Career Services Center is located in Room 205 of the Student Union Building. Career-related services are available to credit and non-credit students and graduates. Occupational information, career counseling and degree planning are available as well as computerized career assessments and referral for traditional career testing. Seminars on interviewing skills, resume writing, career and college choices and job hunting skills are offered throughout the year. The center maintains a career resource library for student use.

The center also maintains a job bank of both part-time and full-time employment. Information on local, state and national job openings is available. Odessa College sponsors a career/job fair each year during the spring semester.

Students who have not yet decided on a major, need career information, referral to other services, college transfer information or job placement assistance should contact the Career Services Center.

Testing Center

The Testing Center is in Room 200 of the Student Union Building, (formerly Gymnasium). Ability, career interest and interpersonal tests are offered to students who wish to achieve greater self-awareness or identify strengths for the purpose of decision-making. The GED (General Education Development) test is administered on a regular basis to individuals who want to demonstrate mastery of high school subjects. Other national group tests, such as the ACT and SAT, are offered as a service to the community. Entrance examinations for special programs, including nursing and law enforcement academy, are scheduled. The ASSET placement test is administered during registration periods and monthly for students enrolling in math or English. Testing and assessment services can be organized for individuals or groups who need specific guidance data. Contact the director of testing at 335-6620 for additional information, test dates or an individual appointment.

Student Activities and Leadership Development

The college maintains the philosophy that classroom learning is only one part of its students' education. Almost all students feel some need to learn more about themselves. The opportunity for them to grow as individuals is made possible through social and personal experiences, as well as through academic pursuits. Student Activities contribute to personal development through educational and social programming and through student organizations.

The interactions of students with each other and with the faculty on an informal basis can provide insights and understanding for students about their society and can enrich the quality of their lives. Information about a wide range of student extracurricular opportunities may be obtained from the Student Activities Office.

Student Activities provides a full schedule of campus-based events designed to be both educational and entertaining. These events are available to the student at no charge through the student activity fee. Information regarding specific events is available from the Student Activities Office.

The Student Activities Office is located in the Student Activity Center —Travis Hall. In addition to providing a gathering place for students, the facility is available for organization meetings and special events.

Opportunities for students to participate in student activities include the following groups:

Clubs and Organizations

More than nine student organizations are active on campus. Many of these groups are service organizations that relate to academic pursuits, such as nursing or chemistry, while others are honorary societies or special interest groups. A list of currently active student organizations may be found in the Student Activities Office.

OC Student Forum

The Forum is designed to provide student input for information and decision making. It is a diverse body composed of current students selected from all components of the college. Student input groups provide a variety of perspectives to the administration as it makes decisions related to the welfare and interests of the student body. In addition, students are involved in the public relations and recruitment functions of the college. The composition, selection and direction of the Forum will be determined by the Student Life administration of the college.

Intramurals

A program of intramural activities is offered each semester at Odessa College. The program is a function of Student Activities and operates out of the OC Sports Center, Room 204. Coin operated game tables for student use are provided in the Sports Center and the Student Activities Center. Students may check out other game equipment in the Student Activities Center.



Choir and band

Odessa College's A Cappella Choir and Vocal Ensemble have gained international recognition for their musical abilities. Recent performances for the OC Choir have included ones for the Texas Music Educators Association in 1995 and tours to New York City, Austria and Switzerland. The college also has an active jazz band that performs regularly on campus and in the community. The jazz band has traveled to various locations in the United States and Mexico. The Music Department also sponsors a community band as well as a community choir for area citizens who maintain an interest in performing.

Art shows

A function of the Art Department is to provide students with the opportunity to exhibit their own work and to see work of professional artists each year through student and traveling art exhibits.

ON-CAMPUS SERVICES AND FACILITIES

Student Housing

Students who compete for Odessa College in intercollegiate athletics are required to live in on-campus housing facilities if they are unmarried and are not living with their parent or legal guardian. Priority also is given to other students on competitive scholarships for on-campus housing. If space is available after all student athletes and other competitive scholarship students are accommodated, the spaces may be reserved by other students. A deposit of \$100 is required before a student is placed on a priority list for a room in an OC resident hall. Contact the Office of the Vice President for Student Life for information.

Campus Food Service

The college cafeteria is located on the first floor of the Student Union Building. Students who live in campus residence halls participate in a meal plan, and food service is also available to all students, faculty and staff on a cash basis. Non-resident students may purchase a meal plan or a cash card for meals. Contact the food service director or the OC Business Office for more information.

Campus Police

The Odessa College Campus Police Office serves the student body of the college by helping to maintain the safety and security of all students and their possessions while they are on campus. Campus Police personnel are available to assist students and visitors with problems, such as vehicles with dead batteries and cars with keys locked inside. Police officers are available on a 24-hour basis for emergencies on campus. The office is located in Room 107 of the Student Union Building.

Parking on Campus

A permit is required for each vehicle (including motorcycles and mopeds) parked on campus. Students may purchase a parking permit during the registration process or at other times during the year. Payments are made at the OC Business Office during regular hours of operation. A copy of parking regulations is available at the Business Office or from the Campus Police Office.

Continuing Education students will be provided a courtesy parking sticker when they register for non-credit classes.

Vehicles without a permit displayed and which are parked on campus will be ticketed. Failure to pay fines assessed by tickets will result in holds placed on registration and transcripts.

Identification Cards

Odessa College requires photo identification cards for all on-campus, credit-hour students. ID cards are used for admission to Odessa College Student Activities events, athletic events, fine arts presentations and library privileges. ID card fees are non-refundable in case of withdrawal from the college.

Full information regarding ID cards can be obtained from the Business Office, located in the Administrative Wing of the Student Union Building.

Disabled Students

In accordance with federal laws and regulations, Odessa College does not discriminate on the basis of disability in the recruitment and admission of students, the employment of faculty and staff and the operation of any of its programs and activities. The vice president for Student Life is designated coordinator for college compliance with Section 504 of Rehabilitation Act of 1973 and with the Americans with Disabilities Act of 1990.

Disabled students should contact the Odessa College Counseling Center or the vice president for Student Life for information regarding services available. The college strives to provide a complete range of services for students with special needs such as class arrangement, tutoring, personal counseling, health services and reserved parking.

Special Projects

The Special Projects Office provides services to technical-vocational students who meet project guidelines. Assistance may include textbook loans, child care, transportation, financial aid referrals, advisement and workshops for eligible single parents, displaced homemakers or participants in designated non-traditional programs. Services are contingent on available federal funds. Call 335-6578 for more information.

Emergency Messages

Students should notify their parents, spouses and friends that the college staff will not interrupt classes to deliver a message unless there is a medical emergency (as deemed by college officials) or a death in the family

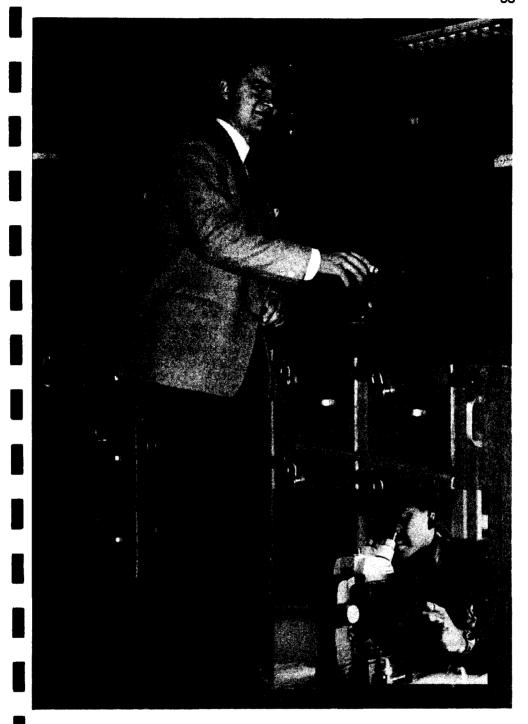
Under federal law students' schedules cannot be given to a third party in either verbal or written form without the students' written permission.

More Information

For more information about Odessa College or becoming a student at OC, contact the Student Information Center, Room 107 of the Student Union Building.

For information about instructional programs and counseling and advising services, contact the Counseling Center, Room 204 of the Student Union Building.

Prospective students interested in enrolling at Odessa College should send their application and transcripts to Director of Admissions, Odessa College, 201 West University, Odessa, Texas 79764.



INSTRUCTIONAL PROGRAMS

Key To Course Description

SCANS Numbers

The word "SCANS" comes from the U.S. Department of Labor's "Secretary's Commission on Achieving Necessary Skills." The numbers found in the Odessa College course descriptions refer to the list of 11 skill areas below. Three of the 11 skill areas refer to the foundation skills of reading, writing and mathematics. The other eight areas refer to workplace skills, such as working with clients and co-workers, that courses develop as a part of the teaching-learning process. The OC faculty have evaluated all of their courses and written the following course descriptions, keyed to SCANS, to help communicate to students and other members of the public the educational and work place foundation that courses will help students attain as they successfully complete their course of study at Odessa

(SCANS 1, 2, 3 = FOUNDATION SKILLS)

- 1. READING
- 2. WRITING
- 3. MATHEMATICS

(SCANS 4 - 11 = WORKPLACE SKILLS)

- RESOURCE USE AND DEVELOPMENT (such as time, materials, money, and facilities)
- materials, money, and facilities)
 5. INTERPERSONAL DEVELOPMENT
 (such as working as member of a team, serving clients and customers, negotiation, leadership, and working with diversity)
- INFORMATIÓN SKILLS (such as acquiring, evaluating, organizing, maintaining, interpreting, communicating, and using computers to process information)
- SYSTEMS AND OTHER COMPLEX INTERRELATIONSHIPS (such as understanding organizational systems, working within social and technological groups, distinguishing and improving the systems design)
- SELÉCTING, APPLYING, AND MAINTAINING A VARIETY OF TECHNOLOGIES
- CREATIVE THINKING, PROBLEM SOLVING, AND DECISION MAKING
- DEVELOPING PERSONAL QUALITIES (such as responsibility, selfesteem, sociability, self-management, integrity and honesty)
- 11. LISTENING AND SPEAKING

Accounting (see Business Administration)

Agriculture

Faculty: Rebecca Hennig.

Courses offered in the agriculture department are directed toward providing the student majoring in an agriculture science or a related field with a broad and sound foundation for advanced study at an upper-level institution or pre-professional preparation in veterinary medicine or wildlife management.

Course of Study for Associate in Science Degree Agriculture

	Semesters Hr
General Education Requirements	
BIOL 1406 General Biology I	
BIOL 1407 General Biology II	
CHEM 1311/1111 Gen. Inorganic Chemistry/Fundamentals of Chemistry	
CHEM 1312/1112 Gen. Inorganic Chemistry/Fundamentals of Chem	
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	
ENGL (sophomore Level)	
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	
HIST 1302 U.S. History from 1877	3
MATH 1314 College Algebra or More Advanced	
MATH 1316 Plane Trigonometry or More Advanced	3
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking	
Major Requirements	15-17
AGRI 1131 The Agricultural Industry	1
AGRI 1419 Animal Science	4
AGRI 1407 Agronomy	
**AGRI Elective	3 or 4
**AGRI Elective	
Total Semester Hours	63-65

*PHED 1100 should be the first course taken in physical education.

**Second-year requirements for agriculture electives may be fulfilled by taking any combination of the following courses: AGRI 1413, AGRI 1415, and AGRI 2317. Choice of any elective may depend upon the students' plans for future study. Students should consult with the agriculture faculty for information regarding these courses.

Agriculture Courses

AGRI 1131 The Agriculture Industry (01.0103.5121) An introductory course to the field of agriculture to aid in the understanding of the relationship of sciences and other fields of agriculture. Students will be required to read and comprehend extensive agricultural terminology. (SCANS 1) Prerequisite: None. AGRI 1407 Agronomy (02.0402.5121) (3-3)4 hours A basic study of the classification and distribution of farm crops. Students will be required to evaluate and interpret information as it pertains to the study of the importance of good varieties and good seed, crop improvement, seed bed preparation, soils, soil erosion and conservation techniques, commercial fertilizers, crop rotation, crop tillage, harvesting, meadow and pasture management, pesticides, weeds and grasses, and irrigation systems. Decision-making and reasoning skills will be used in the proper application of agronomy principles. (SCANS 6,9) Prerequisite: None. **AGRI 1413 Economic Entomology (02.0408.5121)** A study of the principal insects and pests of crops and livestock, including life history, methods of attack, damage and control. Students will be required to evaluate and interpret information as it pertains to integrated pest management, and biological controls. Collection and mounting of insects is required. Decision-making and reasoning skills will be used in the proper application of agronomy principles. (SCANS 1,6,9) Prerequisite: None. **AGRI 1415 Horticulture (01.0601.5121)** (3-3)4 hours This course familiarizes the student with the fields of horticulture and the place of horticulture in American agriculture. Students will be required to evaluate and interpret information as it pertains to the study of the structure, growth and development of horticulture plants. Reasoning skills will be used in decisions concerning control of environment and plant growth with considerations of biological competition and progressive improvement of crops. Principles of propagation, greenhouse production of horticultural crops, pruning, pest control and landscaping are included. (SCANS 6,9) Prerequisite: None. AGRI 1419 Animal Science (02.0201.5121) An introduction to the importance of the livestock industry in the United States, with emphasis in the state of Texas. Students will be required to read and comprehend extensive terminology including the study of the types and breeds of livestock and the market classes as well as grades of beef cattle, dairy cattle, sheep, swine and horses. Decision-making and reasoning skills will be used in determining principles involving heredity and breeding for improvement, judging, care and management. (SCANS 1,6,9) Prerequisite: None. AGRI 2317 Agriculture Economics (01.0103.5121) A study of the basic concepts and theory of the present economic system through a process of interpretation of written information. Includes an analysis and mathematical calculations of profit margin of farm and ranch enterprises as well as commercial industry, their organization

and management, the structure and operation of the marketing system, and political economic policy setting. Functional and institutional aspects of agricultural finance and state

and federal farm programs are covered. (SCANS 1,3,6,7) Prerequisite: None.

Anthropology (see Geology, Anthropology, and Geography)

Art and Humanities

Faculty: Barry Phillips, III, chair; Barry Phillips; Delmos Hickmott, (ret.).

The Odessa College art department exists to provide quality art education for all members of the community. A professionally active faculty maintains labs for design, drawing, painting, printmaking, photography, sculpture, and pottery. Art students learn to create and evaluate visual images in order to develop a critical awareness of the visual environment. The department welcomes all students who are interested in learning about visual art and sponsors scholarships for students considering art as a major.

The following curriculum has been designed as a guide for those students wishing to prepare for a bachelor's degree in art education, studio art, or commercial art.

Course of Study for Associate in Arts Degree

General Education Requirements	
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	
ENGL (sophomore level)	
**Foreign Language, Math, or Science	6-8
GOVT 2301 U.S. and Texas Government	
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking <u>OR</u>	
SPCH 1321 Business and Professional Speech	3
Major Requirements	27
Major Requirements	
ARTS 1301 Art Appreciation	3 3
ARTS 1301 Art Appreciation	3 3
ARTS 1301 Art Appreciation	3 3 3
ARTS 1301 Art Appreciation	3 3 3 3
ARTS 1301 Art Appreciation	3 3 3 3
ARTS 1301 Art Appreciation ARTS 1303 Art History I ARTS 1304 Art History II ARTS 1311 Design I ARTS 1312 Design II	333333
ARTS 1301 Art Appreciation ARTS 1303 Art History I ARTS 1304 Art History II ARTS 1311 Design I ARTS 1312 Design II ARTS 1316 Drawing I	
ARTS 1301 Art Appreciation ARTS 1303 Art History I ARTS 1304 Art History II ARTS 1311 Design I ARTS 1312 Design II ARTS 1316 Drawing I ARTS 1317 Drawing II	
ARTS 1301 Art Appreciation ARTS 1303 Art History I ARTS 1304 Art History II ARTS 1311 Design I ARTS 1312 Design II ARTS 1316 Drawing I ARTS 1317 Drawing II Approved electives ***	
ARTS 1301 Art Appreciation ARTS 1303 Art History I ARTS 1304 Art History II ARTS 1311 Design I ARTS 1312 Design II ARTS 1316 Drawing I ARTS 1317 Drawing II Approved electives *** Total Semester Hours	
ARTS 1301 Art Appreciation ARTS 1303 Art History I ARTS 1304 Art History II ARTS 1311 Design I ARTS 1312 Design II ARTS 1316 Drawing I ARTS 1317 Drawing II Approved electives *** Total Semester Hours *PHED 1100 should be the first course taken in physical education.	

Humanities students have the opportunity to pursue an interdisciplinary program which culminates in an associate in arts degree. This program is designed to prepare individuals for paraprofessional arts occupations, leadership, and involvement in the development of community arts activities. The required course of study encourages a broad understanding of the humanities including literature, visual art, music, and philosophy.

Course of Study for Associate in Arts Degree Humanities

General Education Requirement	38-40
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore level)	6
**Foreign Language, Math, or Science	6-8
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	
HIST 1302 U.S. History from 1877	3
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking or SPCH 1321 Business and Professional	Speech 3
Major Requirements	•
ARTS 1301 Art Appreciation	
ARTS 1311 Design I	
ARTS 1316 Drawing I	3
Elective (sophomore level art or music course)	3
HUMA 1315 Introduction to the Humanities	
MUSI 1306 Music Appreciation	
MUSI 1370 Music Fundamentals	
PHIL 1301 Introduction to Philosophy I	
PHIL 2306 Introduction to Philosophy II	3
Total Semester Hours	65-67
*PHED 1100 should be the first course taken in physical education.	
**Six to eight semester hours in same discipline.	
Art Courses	
ARTS 1301 Art Appreciation (50.0703.5130)	
(3-0)	3 hours
Develops the ability to enjoy visual art and understand its importance. Introd	iucae haeic art
theory, forms, and history. (SCANS 6, 9) Prerequisites: None.	uces pasic ait
. Godins, and history. Goding 6, 3) Frenequisites. Notice.	
ARTS 1303 Art History I (50.0703.5230)	
(3-0)	2 hours
Builds knowledge of the world's great civilizations, their art and artists, and th	S Hours
art to culture from prehistoric times through the 1400s. Develops the ability to i	dentific describe
and interpret major works in the history of visual art. (SCANS 6, 9) Prerequi	denuly, describe,
and interpret major works in the history of visual art. (SCANS 6, 9) Prefequi	SILES: NONE.
ARTS 1304 Art History II (50.0703.5230)	
7.0\	0
(3-0)	3 nours
builds knowledge of the world's great civilizations, their art and artists, and the	e relationship of
art to culture from the 1300s to the present. Develops the ability to identify, o	Jeschbe and
nterpret major works in the history of visual art. (SCANS 6, 9) Prerequisites	: None.
ADTC 1211 Decima (/50 0401 5000)	
ARTS 1311 Design I (50.0401.5330)	
(2-4)	3 hours
Develops the skill to create two-dimensional designs using drawing, painting	collage, and
photographic media. Introduces the principles/elements of two-dimensional of	lesign, plus
basic art concepts, techniques, and media essential to the organization and i	understanding of
visual information. (SCANS 6, 9) Prerequisites: None.	•

ARTS 1312 Design II (50.0401.5330) Develops the skill to create three-dimensional designs using wood, clay, and metals, including lost-wax plaster investment bronze casting. Introduces the principles/elements of three-dimensional design, plus basic art concepts, techniques, and media essential to the understanding and organization of visual information. (SCANS 6, 9) Prerequisites: None. ARTS 1316 Drawing I (50.0704.5230) Develops the skill to create drawings from careful observation of the visual environment. Emphasizes line and value drawings in pencil, charcoal, and ink. Introduces basic art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6. 9) Prerequisites: None. **ARTS 1317 Drawing II (50.0705.5230)** Develops the skill to create expressive drawings. Emphasizes the use of color pencil and pastels. Requires creative thinking in order to develop original images. Presents basic art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 1316. ARTS 2316 Painting I (50.0708.5330) Develops the skill to create expressive paintings. Emphasizes use of acrylic paint and proper preparation of canvas and wooden supports. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 1316 and ARTS 1311 or instructor approval. ARTS 2317 Painting II (50.0708.5230) Develops the skill to create a series of paintings emphasizing individual expression. Requires creative thinking in order to develop original images. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 2316. ARTS 2323 Figure Drawing I (50.0705.5330) Develops skill in drawing the human figure. Emphasizes handling of gesture, volume, anatomy and proportion using a variety of media. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 1316 or instructor approval. ARTS 2324 Figure Drawing II (50.0705.5330) Develops the skill to create a series of figure drawings emphasizing individual expression. Requires creative thinking in order to develop original images. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 2323. ARTS 2326 Sculpture I (50.0709.5130) Develops the skill to create expressive sculpture using clay, wood, and metals, including lostwax plaster investment bronze casting. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. Lab fee required. (SCANS 6, 9) Prerequisites: ARTS 1312 or instructor approval.

ARTS 2327 Sculpture II (50.0709.5130)	*
(2-4)	1
original images. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. Lab fee required. (SCANS 6, 9) Prerequisites: ARTS 2326.)
ARTS 2333 Printmaking I (50.0710.5130)	
(2-4)	-
Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 1316 or instructor approval.	
ARTS 2334 Printmaking II (50.0710.5130)	
(2-4)	*
original images. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 2333.	1
ARTS 2346 Pottery I (50.0711.5130)	
(2-4)	
required. (SCANS 6, 9) Prerequisites: None.	H. P.
ARTS 2347 Pottery II (50.0711.5130) (2-4)	•
Develops the skill to create pottery emphasizing individual expression. Requires creative thinking in order to develop original images. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. Lab fee required. (SCANS 6,9) Prerequisites: ARTS 2346.	
ARTS 2356 Photography I (50.0605.5130)	1 140
(2-4)	-
select equipment, supplies and techniques to incorporate basic theories of film, exposure, development, filters and printing. Lab fee required. (Scans 4,8,9) Prerequisites: TASP competency in reading, writing and math or consent of the instructor.	1
ARTS 2357 Photography II (50.0605.5230)	200
(2-4)	division.
ARTS 2366 Watercolor I (50.0708.5330) (2-4)	
Develops the skill to create expressive watercolor paintings. Includes transparent wash and opaque painting techniques. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6,9) Prerequisites: ARTS 1316 or instructor approval.	A COMMAND

ARTS 2367 Watercolor !! (50.0708.5330)

HUMA 1315 Introduction to the Humanities (50.0101.5130)

Automotive Technology and Diesel Mechanics/Tech-Prep

Faculty: Jurl Davis, chair.

Maintaining and servicing automobiles and diesel-powered vehicles and equipment is a thriving business and a very important activity in the American economy. The automotive/diesel service field is so widespread and fast growing that many excellent career opportunities are open to the person with proper qualifications. While a certificate of technology with an emphasis in either automotive or diesel technology will prepare the student to be an effective employee, the associate in applied science degree provides the necessary educational background for advancing to positions of even greater responsibility in the industry.

Course of Study for Associate in Applied Science Degree Automotive and Diesel Technology

	Semester Hrs
General Education Requirements	
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government	3
MATH 1314 College Algebra or MATH 1371 College Algebra for Busines	
MATH 1372 Technical College Algebra	3
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking or SPCH 1321 Business and Professional S	Speech 3
*DHED 1100 chould be the first course taken in physical education	

THE THOU SHOULD SO THE MOTO COULD TANK IN PROPOSED COUNTY

In addition to the 17 semester hours listed, a student must select one of the following options:

Automotive Option

	Semester Hrs
Major Requirements	46
AUTO 1502 Introduction to Automotive Engine Maintenance and Rebuild	ling5
AUTO 1503 Transmissions and Power Trains	5
AUTO 1504 The Automotive Chassis	5
AUTO 2377 Cooperative Work Experience	3
AUTO 2501 Automotive Electrical Systems	5
AUTO 2502 Heating and Air Conditioning	5
AUTO 2503 Automotive Fuel and Emissions	5
AUTO 2504 Automotive/Diesel Electronics I	5
AUTO 2505 Automotive/Diesel Electronics II	
*AUTO elective (minimum 3 semester hours)	3
Total Semester Hours	63

*AUTO 1301 Specialized Electronics Mathematics or AUTO 1505 Automotive Diesel

Diesel Mechanics Option	
Semester Hrs	•
Major Requirements	
DESL 1501 Principles of Diesel Engines	1
DESL 1503 Electrical Systems and Control Circuits5	ž
DESL 1504 Fuel and Emissions Systems	
DESL 2377 Cooperative Work Experience	
DESL 2577 Cooperative Work Experience	1
DESL 2503 Caterpillar Diesel Engines OR DESL 2506 Cummins Diesel	ı
•	
Related Requirement	
AUTO 2504 Automotive/Diesel Electronics I5 AUTO 2505 Automotive/Diesel Electronics II	1
*AUTO elective (minimum 3 semester hours)	ı
· · · · · · · · · · · · · · · · · · ·	ų
Total Semester Hours63	
*AUTO 1301 Specialized Electronics Mathematics or AUTO 1505 Automotive Diesel	100
Certificates of technology are available in the following job-specific fields.	1
See the program chair for course requirements and Permian Basin job opportunities.	
Level I certificates are TASP-waived.	\$
Automotive Technology Certificates of Technology	
<u>Level I - Air Conditioning and Heating</u> Semester Hrs	Ą
AUTO 2501 Automotive Electrical Systems5	-
AUTO 2502 Heating and Air Conditioning5	- 1
COSC 1301 Introduction to Computer Systems	
ENGL 1312 Report Writing3	1
·	1
Total Semester Hours16	•
Level I - Chassis	
Semester Hrs	1
AUTO 1502 Introduction to Automotive Engine5	
AUTO 1504 The Automotive Chassis	100
COSC 1301 Introduction to Computer Systems	
, ,	1
Total Semester Hours16	
Level I - Drivability	1
Semester Hrs	•
AUTO 2503 Automotive Fuel and Emissions5	2000
AUTO 2504 Automotive/Diesel Electronics I5	
AUTO 2505 Automotive/Diesel Electronics II	•
COSC 1301 Introduction to Computer Systems3	
ENGL 1312 Report Writing3	
Total Semester Hours21	
Level I - Automotive Electronics Technician	
Semester Hrs	4
AUTO 1301 Specialized Electronics Math3	(Berries)
AUTO 2501 Automotive Electrical Systems5	•
AUTO 2504 Automotive/Diesel Electronics 5	
AUTO 2505 Automotive/Diesel Electronics II	1
COSC 1301 Introduction to Computer Systems	Ä
ENGL 1312 Report Writing3	4
Total Semester Hours24	

Course of Study for Advanced Skills Certificate (Level III)

Level III - Service Manager Certificate	_
	Semester Hrs
General Education Requirements	9
BCIS 1302 PC Operating Systems	3
MGMT 1301 Introduction to Management	3
MGMT 2304 Personnel and Human Relations	3
Diesel Mechanics Certificates of Technology	y (Level I)
Level I - Caterpillar	
· /	Semester Hrs
COSC 1301 Introduction to Computer Systems	3
DESL 1504 Fuel Emissions Systems	5
DESL 2503 Caterpillar Engines	5
ENGL 1312 Report Writing	3
Total Semester Hours	16
Level I - Cummins	
	Semester Hrs
COSC 1301 Introduction to Computer Systems	3
DESL 1504 Fuel Emissions Systems	5
DESL 2506 Cummins Diesel Éngines	5
ENGL 1312 Report Writing	3
Total Semester Hours	
	10
Level I - Detroit Diesel	
	Semester Hrs
COSC 1301 Introduction to Computer Systems	3
DESL 1501 Principles of Diesel Engines	5
DESL 1504 Fuel Émissions Systems	5
ENGL 1312 Report Writing	3
Total Semester Hours	16
Level I - Diesel Electronics Technician	
	Semester Hrs
AUTO 1301 Specialized Electronics Math OR TMTH 1370 College	Mathematics3
AUTO 2504 Automotive/Diesel Electronics I	5
AUTO 2505 Automotive/Diesel Electronics II	5
COSC 1301 Introduction to Computer Systems	3
DESL 1501 Principles of Diesel Engines	5
DESL 1503 Electrical Systems and Control Circuits	5
DESL 1504 Fuel Emissions Systems	
ENGL 1312 Report Writing	3
Total Semester Hours	34

Automotive Courses

AUTO 1301 Specialized Electronics Mathematics Designed to provide an understanding of mathematics principles, formulate electronic theories and solve problems encountered by automotive technicians. The student will learn to recognize electronic symbols used in schematic drawings and perform electronic calculations with Ohms Law. Lab exercises are designed for students to use their reasoning ability to solve problems and make decisions. (SCANS 3,6,7,9) Prerequisite: Fundamental knowledge of mathematics or consent of department chair. AUTO 1502 Introduction to Automotive Engine Maintenance and Rebuilding (4-4) 5 hours Presents theory and practice in basic principles of repair and maintenance of internal combustion engines. Includes study of engine designs and materials and proper use of hand and special tools used in the repair and maintenance of the automotive engine and its supporting systems. Students will use service manuals to organize technical information used to rebuild engines and maintain support systems. Students will use reasoning ability to recognize component failures. Students will learn to read and use precision measuring equipment and calculate clearances. The reading of technical material is required. (SCANS 1,3,4,6,7,8,9) Lab fee required. Prerequisite: None. **AUTO 1503 Transmissions and Power Trains** (4-4) _____5 hours Provides technical studies and practice in repair and maintenance of automotive transmissions, differentials and related assemblies. Students will use service manuals to organize and diagnose transmission symptoms. Decision making and reasoning ability will be developed in lab exercises. The reading of technical materials is required. (SCANS 1,2,3,5,6,7,8,9,10) Lab fee required. Prerequisite: None. **AUTO 1504 The Automotive Chassis** (4-4) 5 hours Students working as a team, yet each displaying individual responsibility, will learn repair procedures related to brakes, front-end alignment and suspension systems. The student will use brake lathes, computer aligning equipment and non-computer aligners. The student will calculate alignment measures in degrees, fractions, and metrics. Lab exercises are designed to develop reasoning and decision-making abilities and improve self-esteem regarding alignment problems. The reading of technical materials is required. (SCANS 3,5,6,7,9,10,11) Lab fee required. Prerequisite: None. **AUTO 1505 Automotive Diesel** Includes theory and practice in principles for repair and maintenance of the automotive diesel engine. Students will use manuals to assist in diagnosis of component failures and engine rebuilding. Precision measuring equipment will be used to restore engines to specifications. Group work in the lab will develop reasoning abilities, team qualities, and communication skills. The reading of technical materials is required. (SCANS 3,5,6,8,9,11) Lab fee required. Prerequisite: None. **AUTO 2377 Cooperative Work Experience** (1-20)3 hours À capstone course designed to interrelate academic and vocational course lectures and labs with business and industry work experiences. Under supervision of college faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of

personal, interpersonal, and problem-solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate. The reading of technical materials is required. (SCANS 5,7,9,10,11) Prerequisite: Sophomore standing and consent of the department chair.

AUTO 2501 Automotive Electrical Systems (4-4) 5 hours Presents elementary to most advanced electrical systems. Emphasizes testing and diagnostic procedures. The students will use manuals and computer test equipment to test and diagnose electrical problems and will comprehend the relation of Ohms Law as it applies to the automotive electrical system. Students will work in teams on lab projects and develop communication skills for customer relations. The reading of technical materials is required. (SCANS 3,5,6,7,8,9) Lab fee required. Prerequisite: None. AUTO 2502 Heating and Air Conditioning (4-4) 5 hours The student will study the basic principles of climate control as related to the automobile. Topics such as heat, pressure, refrigerants, compressors, electrical control circuits, and other topics will be covered. Interpreting manifold gauges and calculating correct additions of oil and refrigerant gases will give the student a good foundation in the air conditioning service business. The students' self-esteem will be improved as they communicate with coworkers to acquire new technical skills and diagnose problems and malfunctions of the A/C systems. The reading of technical materials is required. (SCANS 1,3,4,5,6,7,9,10,11) Lab fee required. Prerequisite: None. **AUTO 2503 Automotive Fuel and Emissions** (4-4) 5 hours Emphasizes fuels and emissions related to tune-up procedures. The student will use computerized test equipment to evaluate emissions from exhaust systems. The student will recognize problems and devise plans for correction. Working in teams and communicating with each other on lab exercises, students will allocate time to the reading and studying of technical manuals which will enable them to acquire new knowledge and skills. (SCANS 1,4,5,6,7,8,11) Lab fee required. Prerequisite: None. **AUTO 2504 Automotive/Diesel Electronics I** alternating current, induction, capacitance, impedance, and other related electrical principles. The lab exercises will improve reasoning and decision-making abilities. / scientific calculator is required. The reading of technical materials is required. (SCANS 1,3,4,5,6,7,8,9,10) Lab fee required. Prerequisite: Fundamental knowledge of mathematics required. College Algebra or more advanced preferred or consent of the department chair. **AUTO 2505 Automotive/Diesel Electronics II** (4-4)5 hours Introduces fundamentals of solid state devices such as FET, bipolar and unijunction transistors. The student will better understand LED's solid state regulators, electronic spark control timing, amplifiers, buffers, SCRs, RAMS, PROMS, and EPROMS. The

automotive computer technologies will also be introduced. Students in lab exercises, working in teams, will develop thinking and reasoning abilities useful in diagnosing automotive electronic problems. The reading of technical materials is required. (SCANS 5,6,7,8,9) Lab fee required. Prerequisite: AUTO 2504 or consent of the department chair.

Diesel Courses

DESL 1501 Principles of Diesel Engines

Reading and interpretation of service manuals and decisions regarding service and repair will be required. Students will use current technologies to diagnose and repair various gasoline and diesel engines. The reading of technical materials is required. (SCANS 6,8,9,11) Lab fee required. Prerequisite: None.

DESL 1503 Electrical Systems and Control Circuits Students will learn the basic principles of electricity. Reading and interpretation of schematic diagrams, multimeters, and correct terminology will be taught. Current technology will be applied in the diagnoses and repair of various components in the automotive electrical system. (SCANS 1,3,6,8,9,11) Lab fee required. Prerequisite: None. **DESL 1504 Fuel Emissions Systems** Students will learn the purpose, theory, and terminology of modern emission control systems. Reading and interpretation of service manuals and schematic diagrams will be required. Current technologies will be utilized to diagnose, troubleshoot and repair these systems. (SCANS 6,8,9,11) Lab fee required. Prerequisite: None. **DESL 1507 The Diesel Chassis** Students will learn the theory and terminology of modern heavy truck chassis. Reading and interpretation of service manuals and bulletins will be necessary to facilitate the understanding and repair of the chassis and its various components. (SCANS 1,6,8,9) Lab fee required. Prerequisite: None. **DESL 2377 Cooperative Work Experience** A capstone course designed to interrelate academic and vocational course lectures and labs with business and industry work experiences. Under supervision of college faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal, interpersonal, and problem-solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate. (SCANS 5,7,9,10,11) Prerequisite: Sophomore standing and consent of the department chair. **DESL 2501 Transmissions, Power Trains and Accessories** Students will learn the purpose, theory, and terminology of modern automotive heavy truck & power train components. Reading and interpretation of service manuals and bulletins will be necessary to facilitate the understanding, diagnoses, and repair of transmissions, differentials, and accessories. (SCANS 1,6,8,9) Lab fee required. Prerequisite: None. **DESL 2503 Caterpillar Diesel Engines** Students will learn the theory of operation, terminology and proper repair procedures through extensive lab and classroom instruction. Reading and interpretation of service manuals and bulletins will be necessary to facilitate understanding, diagnoses, and repair of the Caterpillar diesel engine. (SCANS 1,6,8) Lab fee required. Prerequisite: None. **DESL 2506 Cummins Diesel Engines** Students will learn the theory of operation, terminology and proper repair procedures / through extensive lab and classroom instruction. Reading and interpretation of service manuals and bulletins will be necessary to facilitate understanding, diagnoses, and repair of the Cummins diesel engine. (SCANS 1,6,8) Lab fee required. Prerequisite: None.

Bible (see Social Sciences)

Biology

Faculty: Dr. Clyde E. Smith, chair; Rebecca Hennig, James O. Johnson, Dr. Sudhir Kudesia, Steve Sofge.

Courses offered in the biology department are directed toward two objectives. First, they provide the student majoring in a biological science with a broad and sound foundation for advanced study at an upper-level institution or a professional school. The second objective provides the non-science major with information and concepts about himself and the living world around him to help him become a well-rounded citizen.

Courses of Study for Associate in Science Degree

•	Semester Hrs
General Education Requirements	60
CHEM 1311/1111 General Inorganic Che	mistry I/
Fundamentals of Chemistry Laborator	y I4
CHEM 1312/1112 General inorganic Che	y
Eurodementale of Chemistry Laborator	y II4
	y II4
CHEM 2323/2123 Organic Chemistry I/	4
OUTH COOFINED OF THE OF THE IN	4
CHEM 2325/2125 Organic Chemistry II/	4
	ence4
	3
ENGL 1302 Composition and Literature.	3
ENGL (Sophomore Level)	3 3
GOVT 2301 U.S. and Texas Government	3
	ent3
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877 MATH 1314 College Algebra or More Adv	3
MATH 1314 College Algebra or More Adv	anced3
MATH 1316 Plane Trigonometry or More	Advanced3
*PHED (any two one-hour activity courses	s)2
PHYS 1401 College Physics I	
PHYS 1402 College Physics II	4
	3
, Major Requirements	11-13
RIOL 1406 General Riology I	4
RIOL 1407 General Biology II	4
**Rickov Flactives	3-5
Diology Liectives	
Total Semester Hours	71-73
▼ PHED 1100 should be the first course taken i	n physical education.

*PHED 1100 should be the first course taken in physical education.

**Requirements for biology electives may be fulfilled by taking any combination of the following courses: BIOL 2306 General Ecology; BIOL 2470 Marine Ecology; BIOL 2420 Microbiology or BIOL 2428 Comparative Anatomy. Choice of an elective may depend upon students' plans for future study. Students should consult with the biology faculty for information regarding these courses.

Biology Courses

BIOL 0371 Developmental Science (32.0101.5139) This is a compensatory, non-transferable science course designed to improve basic knowledge of the biological sciences, develop critical thinking skills and teach students how to interpret data related to biological concepts. Students learn and use biological terminology and mathematical calculations involved in converting between the English and metric systems of measurement and basic chemical calculations. Students also learn specific information about the basic chemistry of life processes, cells, tissue, organs and systems with emphasis on human biology. Lab fee is required. (SCANS 1,3,6,9) Prerequisite: None. **BIOL 1170 Medical Terminology** (1-0) 1 hour Students planning health science careers learn to understand and interpret medical terminology. Consists of Latin and Greek roots, prefixes and suffixes, as well as proper pronunciation and correct spelling. (SCANS 1) Prerequisite: None. **BIOL 1406 General Biology I** (26.0101.5124) (3-3)4 hours This course is a study of the organizational aspects of cells from molecular to organismic levels. Students learn to understand and interpret terms and discover principles covering cell anatomy, cell biochemistry, cellular respiration, photosynthesis, cell reproduction and genetics. A taxonomic survey of the five kingdoms is also covered. In laboratory activities students learn to perform basic mathematical calculations of converting between the metric and English systems of measurement and acquire experimental data and reason to the interpretation of principles underlying the observations including cause and effect relationships. Lab fee is required. (SCANS 1,3,6,9) Prerequisite: None. **BIOL 1407 General Biology II** (26.0101.5124) Students continue their understanding and interpretation of biological terms with respect to plant and animal growth, plant and animal tissues and systems, ecology, evolution and behavior. Laboratory investigations include basic mathematical calculations of ecological parameters, acquiring practical experience in the dissection of a mammal with reasoning to the relationships between form and function and make decisions relative to cause and effect relationships. Lab fee required. (SCANS 1,3,6,9) Prerequisite: None. **BIOL 1408 Principles of Biology** (26.0101.5124) (3-3)4 hours Students with majors requiring only one semester of biology learn to understand and interpret biological terms, especially as they apply their own bodies and the environment in which they live. Through laboratory activities that include experimentation and microscopic examination, students acquire and evaluate information and formulate relationships between form and function and make decisions relative to cause and effect. (SCANS 3,6,9) Prerequisite: None. **BIOL 2306 General Ecology** (03.0102.5124) (3-0) 3 hours Students learn and interpret the concepts of plant and animal communities and population. From environmental sampling students acquire, evaluate and interpret the

effects of chemicals on the biome. Field trips, group discussions and a written theme are required. (SCANS 1,6,9) Prerequisite: One semester of either biology or geology or

consent of the instructor.

BIOL 2401 Anatomy & Physiology I (26.0706.5124)

BIOL 2402 Anatomy & Physiology II (26.0706.5124)

BIOL 2404 Human Anatomy & Physiology (26.0706.5124)

BIOL 2420 Microbiology (26.0501.5124)

BIOL 2428 Comparative Anatomy (26.0706.5124)

BIOL 2470 Marine Ecology (03.0102.7139)

Building Trades

Faculty: Jim Bates.

The building trades program at Odessa College is designed to train students for entry-level jobs in the building and construction industry. Specific areas of training include on-site experience in carpentry, concrete forming, plumbing, roofing, and exterior and interior finishing. A home is constructed from start to finish. Further instruction includes blueprint reading, study of building codes and specifications, and cabinet making.

Course of Study for Associate in Applied Science Degree Building Trades

•	Semester I
General Education Requirements	20
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric or	
ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government	3
MATH 1372 Technical College Algebra	
PHED (any two one-hour activity courses)	2
PSYC 2302 Applied Psychology	3
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
·	
Elective	
Technical Core	16
MAIN 2404 Structural Repair	4
ELEC 2410 National Electrical Code	4
HVAC 1401 Refrigeration Theory	4
MAIN 1402 Plumbing Fundamentals	4
-	
Building Maintenance Specialist Option	
BLDG 1601 Construction Principles I	
BLDG 1602 Carpentry I	6
BLDG 1603 Construction Principles II	6
BLDG 1604 Carpentry II	6
BLDG 2377 Cooperative Work Experience	3
Total Semester Hours	66

Building Maintenance Certificates of Technology

Certificates of technology are available in the following job-specific fields. See the program chair for course requirements and Permian Basin job opportunities. Level I certificates are TASP -waived.

Level I Basic Carpenter Helper	0	
PLDG 1601 Construction Dringinles I	Semester	HIS
BLDG 1604 Camentry II	 2	
PSVC 2302 Applied Psychology	٥ع	
TMTH 1370 Technical College Mathematics OR higher level math	ວ	
tel Camastar Hours		
	······································	
Level Basic Construction Technician		
	Semester	
BLDG 1602 Carpentry I	6	
BLDG 1604 Carpentry II	6	
ELEC 2410 National Electrical Code	4	
MAIN 1402 Plumbing Fundamentals	4	
PSYC 2302 Applied Psychology	3	
TMTH 1370 Technical College Mathematics <u>QR</u> higher level math	3	
tal Semester Hours	32	
Level I Basic Cabinetmaker Technician		
	Semester	Hrs
BLDG 2603 Cabinet Making I	6	
PSYC 2302 Applied Psychology	3	
TMTH 1370 Technical College Mathematics OR higher level math	3	
tal Semester Hours	18	
Level I Advanced Construction Technician		
	Semester	
BLDG 1601 Construction Principles I	6	
BLDG 1602 Carpentry I	6	
BLDG 1603 Construction Principles II	6	
BLDG 1604 Carpentry II	6	
ELEC 2410 National Electrical Code	4	
PSYC 2302 Applied Psychology	3	
TMTH 1370 Technical College Mathematics QR higher level math	3	
tal Semester Hours	38	
Level II Construction Estimator		
	Semester	Hrs
BLDG 1601 Construction Principles I	6	
BLDG 1602 Carpentry I	6	
BLDG 1603 Construction Principles II	6	
BLDG 1604 Carpentry II	6	
BLDG 2603 Cabinet Making I	6	
COSC 1301 Introduction to Computer Systems	3	
BLDG 2603 Cabinet Making I	3 3	
	BLDG 1601 Construction Principles I BLDG 1604 Carpentry I BLDG 1604 Carpentry II PSYC 2302 Applied Psychology TMTH 1370 Technical College Mathematics OR higher level math tall Semester Hours Level I Basic Construction Technician BLDG 1601 Construction Principles I BLDG 1602 Carpentry I BLDG 1604 Carpentry II BLDG 2607 Cabined Psychology TMTH 1370 Technical College Mathematics OR higher level math tall Semester Hours Level I Basic Cabinetmaker Technician BLDG 2603 Cabinet Making I BLDG 2607 Cabinet Making I BLDG 1601 Construction Principles I BLDG 1603 Construction Principles II BLDG 1604 Carpentry II BLDG 1605 Carpentry I BLDG 1606 Carpentry I BLDG 1606 Carpentry I BLDG 1607 Construction Principles I BLDG 1608 Carpentry I BLDG 1609 Carpentry II	Semester Semester

Building Trades Courses

BLDG 1601 Construction Principles I (2-8) 6 hours Presents terminology, concepts, and techniques to begin a study in residential construction. Competencies to be addressed include interpreting basic blueprints and specifications, estimating materials, acquiring materials, working as a team member, selecting proper tools for tasks, and applying new knowledge and skills to actual construction projects. Lab fee required. (SCANS 1.3.4.8.9) Prerequisite: None. **BLDG 1602 Carpentry I** A skills learning class. Competencies include learning basic use of hand tools, applying mathematical calculations, proper job and tool safety, reading of blueprints, construction of forms, walls, and ceiling joists, and learning communications skills with coworkers. Lab fee required. (SCANS 1,3,5,8,9,11) Prerequisite: None. Corequisite: BLDG 1601. **BLDG 1603 Construction Principles II** A continuation of BLDG 1601. Competencies emphasize roof framing, sheathing, roofing, exterior trim, and interior trim. Continues blueprint and specification understanding, material and time estimation, including a basic study of light commercial construction. Lab fee required. (SCANS 1,3,4,6,8) Prerequisite: BLDG 1601. Corequisite: BLDG 1604. **BLDG 1604 Carpentry II** A continuation of BLDG 1602. Competencies include study and use of a framing square, calculating and cutting rafters, installation of roof sheathing, exterior and interior trim. Working as a team member on a project house, adaptability, and politeness are emphasized. Lab fee required. (SCANS 3,5,8,10) Prerequisite: BLDG 1602 or consent of the department chair. **BLDG 2377 Cooperative Work Experience** A capstone course designed to interrelate academic and vocational course lectures and labs with business and industry work experiences. Under supervision of college faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal. interpersonal, and problem-solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate. (SCANS 5,7,9,10,11) Prerequisite: Sophomore standing and consent of the department chair. **BLDG 2601 Construction Principles III** study in blueprint reading, proposal writing and a comprehensive study of time and material estimation. Second year students are required to work with first year students, monitoring, correcting performance, teaching new skills, exercising leadership skills and demonstrating self-management skills. Lab fee required, (SCANS 1,2,3,5,6,) Prerequisites: BLDG 1603, BLDG 1604 or consent of department chair. **BLDG 2603 Cabinet Making I** Includes principles of cabinet construction. Competencies include plan making. estimating, layout, wood selection, joints, machine practices, techniques and safety. door and drawer construction, sanding and finishing. Lab fee required. (SCANS

1,2,4,8,9) Prerequisite: None.

BLDG 2607 Cabinet Making II

Broadcasting (See Mass Communication)

Business Administration

Faculty: Robert Munoz, chair; Jack Felts, Dan Neagle.

Business administration is a broad field of study and contains many possible majors. Courses offered include those required by senior colleges at the freshman and sophomore levels to obtain the degree of bachelor of science of business administration or a bachelor of business administration (B.B.A.) in a specific undergraduate study, such as accounting. A business major should be aware of the opportunities, requirements and obligations in various majors of specialization so that a proper choice for study can be made. Students should reserve the decision of choosing an area of emphasis depending on their own abilities and interests. Suggested fields of study include accounting, advertising, banking, finance, business, teaching, various phases of management, insurance, retailing, marketing and statistical analysis.

The department also offers courses that may be directly applicable to those who already are employed but wish to upgrade their job skills or to meet certification requirements for their particular vocation.

Course of Study for Associate in Arts Degree Business Administration

	Semester Hr
General Education Requirements	40
ECON 2301 Principles of Economics I (Macro)	3
ECON 2302 Principles of Economics II (Micro)	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore Level)	3
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	
HIST 1301 U.S History to 1877	
HIST 1302 U.S. History from 1877	
*PHED (any two one-hour activity courses)	
Science (two sequential semesters of a lab science in	
Biology, Chemistry, Geology or Physics)	8
SPCH 1321 Business and Professional Speech	3
Major Requirements	12
ACCT 2301 Principles of Accounting I	
ACCT 2302 Principles of Accounting II	3
BUSI 1301 Introduction to Business	
+BUSI 2301 Business Law I	

76	_
BCIS 1401 Introduction to Computer Information Systems QR A more advanced BCIS course QR COSC 1301 Introduction to Computer Systems	1
MATH 1324 Mathematical Analysis for Business I	
Total Semester Hours65	4
*PHED 1100 should be the first course taken in physical education.	
+May not be accepted by all four-year or upper-level institutions because of the level at which those institutions offer the course. The student and the department advisor may then agree on a substitution.	
Business Administration core curriculum leading to degrees in Accounting, Finance, Personnel, Management, Marketing, etc. Core courses leading to the degrees listed above from four-year institutions are the same as those listed for the associate in arts degree (business administration) at Odessa College. The courses listed for the associate in arts degree from Odessa College are	P
transferable between Texas institutions of higher education, except as noted for BUSI 2301, Business Law I; SOCI 1301, Principles of Sociology; and PSYC 2301, Introduction to Psychology are also core courses for business administration and may be selected electives in the associate in arts degree plan.	
Business Administration Courses	1
	- 1
BUSI 1301 Introduction to Business (52.0101.5125)	
(3-0)	1
(3-0)	
(3-0)	
(3-0)	
(3-0)	
(3-0)	•

BUSI 2379 Spreadsheet Applications for Decision Making

Accounting Courses

ACCT 1370 Introduction to College Accounting (52.0301.5125)

ACCT 2301 Principles of Accounting I (52.0301.5125)

ACCT 2302 Principles of Accounting II (52.0301.5125)

Chemistry

Faculty: Dr. E. Don Taylor, chair; Darren Shelton, paraprofessional.

The objectives of the chemistry department are to prepare pre-professional chemists, chemical engineers, and chemical education majors, and to give an effective background in chemistry for work in biology, physics, home economics, agriculture, premedicine, and elementary education. A co-objective is to prepare students for careers in chemical technology, where emphasis is placed on applied chemistry for modern laboratory instrumentation.

The chemistry curriculum is intended to be general enough to fulfill these objectives for the major or the non-major's requirements for the first two years of college chemistry. Students are responsible for checking the catalog of the senior college to which they plan to transfer to determine which courses are compatible with the senior college degree program.

Course of Study for Associate in Science Degree Chemistry

	Semester Hr
General Education Requirements	
COSC 1415 Introduction to Computer Science	
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	
ENGL (sophomore level)	3
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
MATH 1348 Analytic Geometry	3
MATH 2313 Calculus I	3
*PHED (any two one-hour activity courses)	2
**PHYS 2425 Engineering Physics I	4
**PHYS 2426 Engineering Physics II	4
SPCH 1315 Public Speaking	3
Major Requirements	18
CHEM 1311/1111 General Inorganic Chemistry I/	
Fundamentals of Chemistry Lab I	4
CHEM 1312/1112 General Inorganic Chemistry II/	
Fundamentals of Chemistry Lab II	4
CHEM 2271 Organic Nomenclature	
CHEM 2323/2123 Organic Chemistry I/Organic Chemistry Lab I	
CHEM 2325/2125 Organic Chemistry II/Organic Chemistry Lab II	
***Approved Electives	3-4
Total Semester Hours	65-66
*PHFN 1100 should be the first course taken in physical education	

^{*}PHED 1100 should be the first course taken in physical education.

^{**}PHYS 1401 and PHYS 1402 satisfy the Odessa College requirement for an associate degree for premedical students, but only PHYS 2425 and PHYS 2426 will transfer to satisfy a science requirement.

^{***}Approved electives: CHEM 1207, CHEM 2301 and CHEM 2101; FREN 1411 and FREN 1412; GERM 1411 and GERM 1412; MATH 2314.

Chemistry Courses

CHEM 1105 Introductory Chemistry Laboratory (40.0501.5139) (0-3)1 hour A laboratory course that illustrates and reinforces principles and concepts of CHEM 1305 by use of quantitative experiments. Emphasizes interpreting and reporting of data. Stresses facility in handling scientific equipment. Lab fee required. (SCANS 1,3,6,8,9) Corequisite or Prerequisite: CHEM 1305. CHEM 1111 Fundamentals of Chemistry Laboratory I (40.0501.5239) (0-3)1 hour À laboratory course that illustrates and reinforces principles and concepts of CHEM 1311 by use of quantitative experiments. Emphasizes interpreting and reporting of data. Stresses facility in handling scientific equipment. Lab fee required. (SCANS 1,3,6,8,9) Corequisite or Prerequisite: CHEM 1311. CHEM 1112 Fundamentals of Chemistry Laboratory II (40.0501.5239) A laboratory course that illustrates and reinforces principles and concepts of CHEM 1312 by use of qualitative and quantitative experiments. Emphasizes interpreting and reporting of data. Stresses facility in handling scientific equipment. Lab fee required. (SCANS 1,3,6,8,9) Corequisite or Prerequisite: CHEM 1312. **CHEM 1207 Chemical Calculations (40.0502.5239)** A lecture course that emphasizes the problem-solving techniques that are used in CHEM 1312. Involves reading problems and using critical thinking skills and mathematics to organize the information and arrive at an answer. Can be used to fulfill the 10-hour freshman chemistry course or chemical engineering calculations course taught at some senior colleges. (SCANS 1,3,6,9) Prerequisite: CHEM 1311. **CHEM 1305 Introductory Chemistry (40.0501.5139)** A lecture course in elementary chemistry. Primarily for non-majors or people desiring a one-semester introductory chemistry course. Includes terminology, nomenclature, stoichiometry, states of matter, solutions, equilibria, etc. The student will be involved in reading information or problems and using critical thinking skills and mathematics to organize the information or to arrive at an answer; also requires student writing skills in order to communicate the information acquired in a written format. (SCANS 1,3,6,9) Prerequisite: Passed all sections of the TASP exam. An understanding of basic mathematics, including simple algebra. (Credit probably not transferable until CHEM 1105 successfully completed.) CHEM 1311 General Inorganic Chemistry I (40.0501.5239) (3-0)3 hours A lecture course designed as a first college-transfer course for students with some background in physical science. Covers such topics as chemical stoichiometry, atomic structure, bonding, formulas, equations, gas laws, solutions, etc. The student will be involved in reading information or problems and using critical thinking skills and mathematics to organize the information or to arrive at an answer; also requires student writing skills in order to communicate the information acquired in a written format.

(SCANS 1,3,6,9) Prerequisite: Passed all sections of the TASP exam and be eligible to take College Algebra. (Credit probably not transferable until CHEM 1111 is successfully

completed.)

CHEM 1312 General Inorganic Chemistry II (40.0501.5239) A lecture course that is a continuation of CHEM 1311. Includes solutions, chemical kinetics, acids and bases, equilibrium, electrochemistry, thermodynamics, coordination chemistry, nuclear chemistry, organic chemistry, etc. The student will be involved in reading information or problems and using critical thinking skills and mathematics to organize the information or to arrive at an answer; also requires student writing skills in order to communicate the information acquired in a written format. (SCANS 1,3,6,9) Prerequisite: Math 1314 and a minimum grade of "C" in CHEM 1311. (Credit probably not transferable until CHEM 1112 is successfully completed.) CHEM 2101 Analytical Chemistry Laboratory I (40.0502.5139) A laboratory course that illustrates and reinforces principles and concepts of CHEM 2301. The course uses techniques and quantitative experiments common to analytical chemistry. Techniques include classical gravimetric and volumetric techniques, also modern instrumental techniques as electrochemical, UV/visible and AA spectroscopy and gas chromatography. The course also requires an individual laboratory project with a formal written report over the project. Lab fee required. (SCANS 1,3,6,8,9) Corequisite or prerequisite: CHEM 2301. CHEM 2123 Organic Chemistry Laboratory I (40.0504.5239) (0-4) ______1 hour A laboratory course that illustrates and reinforces principles and concepts of CHEM 2323. The course is designed to concentrate on the techniques of preparing organic compounds, separation, purification and identifying the prepared compound. Some of the techniques include melting points, recrystallization, extraction, distillation and interpretation of IR, NMR and chromatography spectra. A project will be done that includes using the library and writing a research paper. Lab fee required. (SCANS 1.3.6.8.9) Corequisite or prerequisite: CHEM 2323. CHEM 2125 Organic Chemistry Laboratory II (40.0504.5239) (0-4) A laboratory course that illustrates and reinforces principles and concepts of CHEM 2325. The course includes organic synthesis, isolation of product and identification of product using the techniques from CHEM 2123 and CHEM 2323. Each synthesis requires the acquisition of instrumental spectra, interpretation of the spectra and qualitative analysis of the product. The course also requires an individual laboratory project with a formal written report over the project. Lab fee required. (SCANS 1,3,6,8,9) Corequisite or prerequisite: CHEM 2325. CHEM 2271 Organic Nomenclature (40.0504.7239) A lecture course that presents a systematic study of rules of nomenclature for organic compounds by functional group. The course emphasizes International Union of Pure and Applied Chemistry rules but also includes some common names and structural determinations. Students should check with the senior college to determine transferability of this course. (SCANS 1,6,9) Corequisite: CHEM 2323 or consent of the instructor. **CHEM 2301 Analytical Chemistry** (40.0502.5139) A lecture course that is a study of fundamental principles of elementary quantitative analysis, both theoretical and practical. Includes equilibrium, gravimetric analysis, volumetric analysis and introduction to instruments (AA, GC, UV, spectroscopy, pH

meters, IR and NMR). The student will be involved in reading information or problems and using critical thinking skills and mathematics to organize the information or to arrive at an answer; also requires student writing skills in order to communicate the information acquired in a written format. (SCANS 1,3,6,9) Corequisite or prerequisite: CHEM 1312.

(Credit probably not transferable until CHEM 2101 is successfully completed.)

CHEM 2323 Organic Chemistry I (40.0504.5239)

CHEM 2325 Organic Chemistry II (40.0504.5239)

Child Development/Tech Prep

Faculty: Lucinda Hurlbut, chair; Mary Hanson.

The field of child development is a rapidly growing area with a wide range of employment possibilities. An increasing number of job opportunities are available in the community for those who work with children. Public and private schools, federal agencies, day care centers, industry and community agencies need professionally-trained people who understand children and who can give them love, guidance and leadership.

The associate degree program in child development will provide an opportunity for an in-depth study of the whole child. In the certificate program, the specialization is in child development or child care management. In all programs, the child development lab courses will include an actual experience with the children. Students enrolled in child development lab classes must meet Texas Department of Regulatory and Protective Services staff requirements for day-care centers.

Student liability insurance is required for all child development lab classes. See your high school counselor or the Odessa College department chair for information on tech-prep options.

Course of Study for Associate in Applied Science Degree Child Development

	Semester Hrs
General Education Requirements	17
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric OR	
ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
MATH 1332 Structures of College Mathematics I or higher level mat	th3
*PHED (any two one-hour activity courses)	
SPCH 1321 Business and Professional Speech	

CHLD 1302 Introduction to Child Development	2
CHLD 1302 Introduction to Child Development	3
CHLD 1304 The Abused and Neglected Child	د
CHLD 1305 Creative Activities for Children	
CHLD 1307 Discipline and Classroom Management	3
CHLD 1308 Child Growth and Development of Infants and Toddlers	3
CHLD 1310 Child Growth and Development from School Age Through Ado	ilescence 3
CHLD 1311 Child Health Care and Nutrition	3 ,
CHLD 2301 Personal and Family Management	3
CHLD 2304 The Special Child	3
CHLD 2305 Children's Language and Literature Development	3
CHLD 2306 Science and Math Activities for Children	3
CHLD 2377 Cooperative Work Experience	3
CHLD 2377 Cooperative Work Experience	4
Related Requirements	
PHED 1306 First Aid	3
PSYC 2308 Child Psychology	3
Total Semester Hours	63
10M Sallastat Lionis	
*PHED 1100 should be the first course taken in physical education. Certificates of completion are available in the following fields.	
Level İ certificates are TASP -waived.	
Level I Certificate - Child Care Aide	4
	Semester Hrs
General Education Requirements	3
COSC 1301 Introduction to Computer Systems	3
· · · · · · · · · · · · · · · · · · ·	
Major Requirements	12
Child 1302 Introduction to United Development	3
CHLD 1305 Creative Activities for Children	"
CHLD 1311 Child Health Care and Nutrition	3
CHLD 2301 Personal and Family Management	3
Related Requirements	3
PHED 1306 First Aid	
Total Semester Hours	18 🦼
Level I Certificate - Child Care Assistant	Î
S	emester Hrs
General Education Requirements	6
COSC 1301 Introduction to Computer Systems	3
MATH 1332 Structures of College Mathematics I or higher level math	3
Major Requirements	24
CHLD 1302 Introduction to Child Development	3
CHLD 1304 The Abused and Neglected Child	
CHLD 1305 Creative Activities for Children	3
CHLD 1307 Discipline and Classroom Management	3
CHLD 1308 Child Growth and Development of Infants and Toddlers	3 .
CHLD 1311 Child Health Care and Nutrition	3
CHLD 2301 Personal and Family Management	3
CHLD 2305 Children's Language and Literature Development	3
· · · · · · · · · · · · · · · · · · ·	
Related Requirements	6 _
PHED 1306 First Aid	3
PSYC 2308 Child Psychology	3
·	•
Total Semester Hours	36
	166

Level III Certificate - Child Care Management (Advanced Skills Certificate)

	Semester Hrs
	Major Requirements 6 CHLD 2111 Legal Aspects and Minimum Standards 1 CHLD 2115 Managing Day Care Dollars 1 CHLD 2120 Communications and Discipline in the Child Care Program 1 CHLD 2125 Food and Meal Management for Child Care 1 CHLD 2130 Staff Management 1 CHLD 2135 Program Planning and Evaluation 1
	Related Requirements 6 MGMT 1301 Introduction to Management 3 MGMT 2304 Personnel and Human Relations OR MGMT 2330 Entrepreneurial Issues 3
100	Total Semester Hours12
ij	Prerequisite or corequisite for the level III certificate is completion of the associate degree in child development or a closely related discipline.
	Child Development Courses
	CHLD 1302 Introduction to Child Development
****	(2-3)
adopte si	CHLD 1304 The Abused and Neglected Child (3-0)
	CHLD 1305 Creative Activities for Children (2-3)

84 CHLD 1307 Discipline and Classroom Management Provides opportunity to evaluate and understand individuals' expectations regarding discipline and classroom management with emphasis on Texas licensing standards. Students will have the opportunity to evaluate situations based on good problem-solving and decision-making techniques and implementation of alternative discipline strategies. Emphasizes techniques of communication with children as well as coworkers. Offers opportunity to learn theories of behavior-shaping. Presents major theorists and theories of individual and group management. (SCANS 5,6,7,9,11) Lab fee required. Prerequisite: None. CHLD 1308 Child Growth and Development of Infants and Toddlers Emphasizes development processes and environmental factors that can affect physical growth, shape personality and achievement from conception to three years of age. Presents skills for group or individual care of infants or toddlers such as individual daily schedules, record keeping, food preparation, age appropriate discipline techniques and activities. Also, includes interpreting the Texas licensing standards for infants and toddlers. (SCANS 1,6,9) Lab fee required. Prerequisite: None.

Focuses on social, emotional, mental and physical development processes. Emphasizes interpreting Texas licensing standards, problem-solving techniques and personal qualities as related to guiding children ages 6 to 18 years old. Designed

CHLD 1310 Child Growth and Development from School Age Through Adolescence

particularly for anyone working with individuals or with groups from school age through adolescence. (SCANS 1,9,10) Prerequisite: None.

CHLD 1311 Child Health Care and Nutrition

Emphasizes appropriate health, safety and nutrition practices in children's programs as well as interpreting Texas licensing standards. Stresses effect of nutrition on growth and development. Requires assignments which train the student to utilize forms, procedures and perform calculations required by the USDA Child Care Food Program and the Texas licensing standards for food service. Also, requires choosing, planning and implementing food, health and safety activities with children. (SCANS 1,3) Lab fee required. Prerequisite: None.

CHLD 2111 Legal Aspects and Minimum Standards

(1-0) 1 hour Interprets local, state and federal regulations. By becoming familiar with Texas state licensing standards and funding agency regulations which concern an employer in the child care program, the student will be able to locate, revise and interpret documents, such as manuals, charts and schedules. Emphasis is placed on making decisions concerning legal issues such as insurance liabilities, contracts with individuals and with companies for services and on litigations. This is accomplished through the use of speakers, and by students investigating or researching topics and making reports. (SCANS 1,6,9) Prerequisite: None.

CHLD 2115 Managing Day Care Dollars

(1-0) 1 hour Presents basic concepts and strategies helpful to the director of a child care program regarding responsibilities in budgeting, record keeping, controlling costs and ensuring a stable income. This course is designed to allow students to develop budgets, read and interpret graphs and charts, use their reasoning abilities to solve problems and make decisions related to the financial system. (SCANS 1,3,4,7,9) Prerequisite: None.

CHLD 2125 Food and Meal Management for Child Care

CHLD 2130 Staff Management

CHLD 2135 Program Planning and Evaluation

CHLD 2301 Personal and Family Management

CHLD 2304 The Special Child

CHLD 2305 Children's Language and Literature Development

CHLD 2306 Science and Math Activities for Children

CHLD 2377 Cooperative Work Experience

CHLD 2403 Planning and Teaching Methods in Early Childhood

Clinical Laboratory Sciences

Faculty: Joel Smith, chair; Annette McMinn, education coordinator; Eloisa Corbell, paraprofessional; Dr. Kris Challapalli, medical advisor.

Medical Laboratory Technology

Medical laboratory technology is a special two-year program of combined academic and clinical training which prepares students with entry skills in medical laboratory techniques, completes prerequisites for certification by examination in the category of medical laboratory technician and leads to an associate in applied science degree. The Odessa College MLT program is NAACLS-accredited. Laboratory practicums are under the full-time supervision of a qualified education coordinator at affiliated clinical laboratories. The entire program is supervised by a pathologist certified by the American Society of Clinical Pathologists and the College of American Pathologists.

Because practicum space is limited, students will be admitted on a selected basis. To be admitted to the program, students must be a high school graduate or equivalent, must achieve a satisfactory score on selected college entrance examinations and must show evidence of good physical and mental health. Applicants must submit their applications and fulfill admission requirements no later than two weeks prior to the start of the second summer term.

Students must maintain an average grade of "C" or better for all courses taken and attain no grade lower than "C" in any clinical laboratory science course to continue the program.

Students seeking additional information should contact the chair, clinical laboratory sciences department. Applications for the associate degree program may be obtained from the counseling center.

Student liability and health insurance are required for all laboratories and clinical practicums.

Course of Study for Associate in Applied Science Degree Medical Laboratory Technology

First Year

Sur	mmer Session II	Semester Hrs
	CLSC 1304 Urinalysis and Body Fluids	3
Fal	I Semester CHEM 1305 Introductory Chemistry CHEM 1105 Introductory Chemistry Laboratory CLSC 1211 Urinalysis, Hematology & Hemostasis Lab CLSC 1601 Hematology & Hemostasis ENGL 1301 Composition & Rhetoric	2 6
Spr	ring Semester BIOL 1407 General Biology CLSC 1212 Immunology & Immunohematology Lab CLSC 1602 Immunology & Immunohematology SPCH 1321 Business and Professional Speech	2 6
Sur	mmer Session I COSC 1301 Introduction to Computer Systems HIST 1301 United States History to 1877 <u>OR</u> HIST 1302 United States History from 1877	
Sur	Second Year mmer Session II	
		Semester Hrs
Fall	I Semester CLSC 2211 Clinical Microbiology Laboratory CLSC 2321 Clinical Practicum CLSC 2601 Clinical Microbiology PHED 1100 Lifestyle Assessment & Modification	3 6
Spi	ring Semester CLSC 2212 Clinical Chemistry Laboratory CLSC 2322 Clinical Practicum CLSC 2602 Clinical Chemistry PHED one-hour activity course	2 3 6
▼ •PF	HED 1100 should be the first course taken in physical education.	

Phlebotomy

Phlebotomy is a special 10-week program of combined classroom instruction and clinical experience in affiliated medical laboratories which prepares students with career entry skills in phlebotomy, completes requirements for a certificate of completion in phlebotomy and completes prerequisites for certification by examination in the category of phlebotomy technician. The Odessa College phlebotomy program is approved by the National Accrediting Agency for Clinical Laboratory Sciences. The practicums are under the full-time supervision of a certified medical technologist or certified phlebotomist.

Because practicum space is limited, students will be admitted on a selected basis. To be admitted to the phlebotomy program, students must be a high school graduate or equivalent and must show evidence of good physical and mental health. Applications must be submitted no later than two weeks prior to the start of the published date for the start of the next class.

Students must attain no grade lower than "C" in any phlebotomy course to complete the course of study. The student must have a grade no lower than "C" in CLSC 1500 to enroll in CLSC 1220.

The phlebotomy program is offered throughout the year as applicants become sufficient for the formation of a class. Classes are tentatively scheduled for the fall, spring and summer terms. Interested parties should contact the clinical laboratory sciences department for projected class offerings. Phlebotomy courses are offered on a credit and non-credit basis.

Students seeking additional information should contact the chair, clinical laboratory sciences department. Applications for the phlebotomy program may be obtained from the counseling center.

Student liability and health insurance are required for all laboratories and clinical practicums.

Course Of Study For Certificate of Completion

	Semester Hrs
CLSC 1220 Phlebotomy Practicum	2
CLSC 1500 Phlebotomy	5

Clinical Laboratory Science Courses

CLSC 1211 Urinalysis, Hematology & Hemostasis Lab

CLSC 1212 Immunology and Immunohematology Lab

CLSC 1220 Phlebotomy Practicum

CLSC 1304 Urinalysis and Body Fluids

CLSC 1500 Phlebotomy

CLSC 1601 Hematology and Hemostasis

CLSC 1602 Immunology and Immunohematology

CLSC 2211 Clinical Microbiology Lab

CLSC 2212 Clinical Chemistry Lab

CLSC 2321 Clinical Practicum

CLSC 2322 Clinical Practicum

CLSC 2601 Clinical Microbiology

CLSC 2602 Clinical Chemistry

Computer Information Systems

Faculty: Mitch Slusher, chair; Ray Cone, Linda Fry, James Jordan, Willard Mears.

The computer information systems curriculum provides students with practical, job-related computer experience. Courses offered provide background terminology and concepts needed to understand and communicate; provide experience with programming languages, operating systems and software products; develop good programming and system design techniques; and encourage students to develop the ability to continue to grow and mature as knowledgeable computer professionals in a rapidly changing field.

Course of Study for Associate in Applied Science Degree Computer Information Systems

	Semester Hrs General Education Requirements23
Ţ	ENGL 1301 Composition and Rhetoric
	ENGL 1302 Composition and Literature
4	GOVT 2301 U.S. and Texas Government OR GOVT 2302 American National Government
	HIST 1301 U.S. History to 1877 OR
_	HIST 1302 U.S. History from 18773
<u>_</u>	MATH 1324 Mathematical Analysis for Business I
	*PHED (any two one-hour activity courses)2
	PSYC 2302 Applied Psychology
	SPCH 1321 Business and Professional Speech3
	Elective3
-	Major Requirements15
_	BCIS 1200 Programming Logic2
	BCIS 1302 PC Operating Systems
	BCIS 1401 Introduction to Computer Information Systems
	BCIS 2377 Cooperative Work Experience
_	·
	**Major Emphasis (Select either option I or II below)24
Ŧ	Total Semester Hours65
-	
	*PHED 1100 should be the first course taken in physical education.
優	**Major Emphasis Options:
-	Option I - Business Programming*
	Semester Hrs
	ACCT 1370 Introduction to College Accounting
٥	BUSI 2379 Spreadsheet Applications for Decision Making <u>OR</u>
	OFST 1100 Basic Keyboarding Skills
_	BCIS 1320 AS/400 File Processing
	BCIS 1403 COBOL Programming4
	BCIS 1419 RPG/400 Programming4
	BCIS 2419 Advanced RPG/400 Programming4
ĺ	BCIS 2320 AS/400 Operating Systems3
	Total Semester Hours24
\mathbf{v}	

Option II - PC Support Specialist*
Semester Hou
BCIS 1303 PC Hardware/Software3
BCIS 1310 Database Management I3
BCIS 1404 Programming in Pascal4
BCIS 2215 Word Processing2
BCIS 2220 Spreadsheets2
BCIS 2302 Network Operating Systems
BCIS 2310 Database Management Systems II3
BCIS 2415 Advanced Pascal/Data Structures4
Total Semester Hours24
*Minimal Entry Requirements: Keyboarding Skills, College Level Reading/Writing
Course of Study for Certificate of Technology
Level I certificates are TASP -waived.
<u>Level I - Business Programming</u> Semester Hou
General Education Requirements12
andre and the state of the stat
ACCT 1370 Introduction to College Accounting3
ENGL 1301 Composition and Rhetoric3
MATH 1324 Mathematical Analysis for Business I
SPCH 1321 Business and Professional Speech3
Major Requirements23
BCIS 1200 Programming Logic
BCIS 1401 Introduction to Computer Information Systems4
BCIS 1419 RPG/400 Programming
BCIS 2305 Systems Analysis Methods
BCIS 2320 AS/400 Operating Systems
BCIS 2419 Advanced RPG/400 Programming4
BOIS 2419 Advanced hro/400 riogianiming4
Total Semester Hours35
Level I - PC Support Specialist
Semester Hou
General Education Requirements9
ENGL 1301 Composition and Rhetoric
MATH 1324 Mathematical Analysis for Business I
SPCH 1321 Business and Professional Speech3
Major Requirements29
BCIS 1200 Programming Logic
BCIS 1302 PC Operating Systems3
BCIS 1303 PC Hardware/Software
BCIS 1310 Database Management Systems I
BCIS 1401 Introduction to Computer Information Systems4
BCIS 1404 Programming in Pascal4
BCIS 2215 Word Processing2
RCIS 2220 Spreadsheets
BCIS 2302 Network Operating Systems3
BCIS 2302 Network Operating Systems
Total Semester Hours
1 - MI - COLITORIO - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -

Computer Information Systems Courses

BCIS 1200 Programming Logic

BCIS 1302 PC Operating Systems

BCIS 1303 Hardware and Software

BCIS 1310 Database Management Systems I

BCIS 1320 AS/400 File Processing

BCIS 1401 Introduction to Computer Information Systems

programming language and MS-DOS. Using these, a student will be able to select the correct hardware/software for application to a given problem. Students will become familiar with locating and interpreting information located in the written materials, enabling them to become familiar with these packages as well as other software packages/languages. Lab exercises are designed to allow students to use reasoning abilities to solve problems and make decisions. (SCANS 1,2,3,6,8,9) Lab fee required. Prerequisite: ENGL 0370 passed with a "C" or better or a satisfactory placement score.

BCIS 1403 COBOL Programming

BCIS 1404 Pascal Programming

BCIS 1419 RPG/400 Programming

BCIS 2215 Word Processing

BCIS 2220 Spreadsheets

BCIS 2302 Network Operating Systems

BCIS 2305 Systems Analysis Methods

BCIS 2310 Database Management Systems II

BCIS 2320 AS/400 Operating Systems

BCIS 2377 Cooperative Work Experience

BCIS 2415 Advanced Pascal/Data Structures

BCIS 2419 Advanced RPG/400 Programming

Computer Science

Faculty: Mitch Slusher, chair; Ray Cone.

The computer science curriculum provides students with course work comparable to the first two years for a bachelor's degree in computer science. The ACM curricula recommendations for computer science (1983) serve as the basis for this area of study.

Course work introduces students to the concept of a program and techniques of good program design, to internal data representations and common data structures, to elementary mathematics associated with computer systems and to a working knowledge of Pascal, C, and assembly programming languages.

The following curriculum in computer science has been designed as a guide for those students wishing to prepare for a bachelor's degree in computer science.

Course of Study for Associate in Science Degree Computer Science

A LEL MAN Brander of the	Semester Hi
General Education Requirements	44
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (any sophomore level literature)	3
GOVT 2301 U.S. and Texas Government	
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	
HIST 1302 U.S. History from 1877	
Lab Science Sequence in Chemistry or Engineering Physics	8
Lab Science Elective	
*MATH 1314 College Algebra	
*MATH 1314 College Algebra	د
*MATH 1316 Trigonometry	
**PHED (any two one-hour activity courses)	2
SPCH 1321 Business and Professional Speech	3
Elective (must be outside the major area)	3
Major Requirements	
COSC 1415 Introduction to Computer Science	4
COSC 1418 Programming Concepts I	
COSC 2418 Programming Concepts II	
COSC 2416 Programming Concepts if	
COSC 2425 Organization and Assembly Language	4
Total Semester hours	67

^{*} MATH 1348, MATH 2313 or MATH 2314 may be substituted. Because upper level institutions require advanced math courses, taking additional math courses in your degree plan is recommended.

NOTE: Computer science majors should consult the degree requirements of the university which they plan to attend before selecting electives or specific general education courses.

Computer Science Courses

COSC 1301 Introduction to Computer Systems (11.0101.5127)

^{**} PHED 1100 should be the first course taken in physical education.

electronic spreadsheet, database management system and MS-DOS, the student is able to identify and select the correct hardware/software to apply to a given problem. Lab exercises are designed to allow students to use their reasoning ability to solve problems and make decisions. Not for computer science majors or BCIS majors. (SCANS 1, 2,3,6,8,9) Lab fee required. Prerequisite: None.

COSC 1415 Introduction to Computer Science (11.0201.5227)

COSC 1418 Programming Concepts i (11.0201.5227)

COSC 2418 Programming Concepts II (11.0201.5327)

COSC 2420 Programming Structures in "C" (11.0201.5327)

COSC 2425 Computer Organization and Assembly Language (11.0201.5427)

Cosmetology

Faculty: Linda Sullivan, chair; Sylvia Blain, Lou Ann Hitt, Johnnie Luttrell, Theresa Vaughn.

Cosmetology courses at Odessa College seek to provide students with the skill and knowledge required to pass the Texas Cosmetology Commission examination for licensing in Texas and for successful entry into the cosmetology profession. All aspects of the beauty profession are presented, and training also is available for the cosmetologist seeking an instructor's license.

Requirements for admission to the cosmetology program, in addition to the Odessa College admission requirements, are having a personal interview with the department chair, and sending a \$25 fee and one 1 1/2-inch-square picture to the Texas Cosmetology Commission for a student permit. Students also are required to purchase a cosmetology kit. For admission, applicants should apply to Odessa College and to the chair of the cosmetology department.

The program is designed around an open-entry and -exit concept. New students may start cosmetology classes the first Monday of every other month instead of waiting for the beginning of the term or semester. Because of limited enrollment, students are urged to apply as early as possible before the date of proposed admission.

An advanced standing procedure is available for those individuals who hold a valid Texas cosmetology license which did not result from completion of a program at Odessa College. People in this category who wish to pursue an associate degree may satisfy cosmetology requirements outlined in the associate degree course of study in the following manner: (1) by providing proof of licensure to the college registrar and/or to the director of the cosmetology program; (2) by successfully completing COSM 2601 and COSM 2603 for a total of 12 semester hours credit; (3) by successfully completing a comprehensive examination for 24 of the 36 required hours of cosmetology listed in the course of study, the examination to be administered and evaluated by the department of cosmetology; and (4) by satisfying all other requirements in the course of study for an associate in applied science degree in cosmetology. Any deviation from these stipulations must be petitioned for in writing and approval must be received in advance from the cosmetology department chair and the dean of humanities and communications.

Student liability insurance is required for students enrolled in cosmetology.

Course of Study for Associate in Applied Science Degree Cosmetology

	Semester Hr
General Education Requirements for all Cosmetology Degrees	20
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
GOVT 2301 U.S. and Texas Government	3
MATH 1332 Structures of College Mathematics I or higher level math	
*PHED (any two one-hour activity courses)	2
PSYC 2302 Applied Psychology	3
SPCH 1315 Public Speaking or SPCH 1321 Business and Professional S	Speech 3

In addition to the 20 hours listed, students must select one of the following options.

Cosmetology Operator Option

Major Requirements (1500 Clock Hours)	Semester Hr
(Classes meet eight hours per day, Monday through Thursday)	
COSM 2601 Introduction to Cosmetology	6
COSM 2602 Skills Development	6
COSM 2603 Cosmetology Practicum I	6
COSM 2604 Cosmetology Practicum II	6
COSM 2605 Cosmetology Practicum III	6
COSM 2606 Cosmetology Practicum IV	6

Elective (must be outside the major area)	3
Related Required Courses	9
BUSI 2301 Business Law I	3
MGMT 2304 Personal and Human Relations	3
MGMT 2341 Visual Merchandising and Display	3
Total Semester Hours	
Note: Student not desiring the associate in applied science degree or completion operator option.	nay receive a <u>certificate of</u>
Cosmetology Instructor Option	•
Major Requirements (750 Clock Hours)	Semester H
COSM 2811 Lesson Plan Development and Supervision	
COSM 2812 Management and Assessment Practicum	
COSM 2813 Classroom Teaching Practicum	8
COSM 2814 State Licensure Practicum	8
Elective	3
Related Required Courses	9
BUSI 2301 Business Law I	2
MGMT 2304 Personal and Human Relations	٠
MGMT 2304 Personal and Human Helations	3
MGMT 2341 Visual Merchandising and Display	
Total Semester Hours	64
Note: Student not desiring the associate in applied science degree momentum instructor option.	nay receive a <u>certificate of</u>
*PHED 1100 should be the first course taken in physical educati	'aa
1	
Course of Study for Certificate (Options
Level I certificates are TASP -waived	,
Level I - Certificate of Completion - Operat	or Option Semester Hr
Major Requirements (1500 Clock Hours)	
COSM 2601 Introduction to Cosmetology	
COSM 2602 Skills Development	
COSM 2603 Cosmetology Practicum I	
COSM 2604 Cosmetology Practicum II	
COSM 2605 Cosmetology Practicum III	
COSM 2606 Cosmetology Practicum IV	6
General Education Requirements	6
COSC 1301 Introduction to Computer Science	3
PSYC 2302 Applied Psychology	3
Total Semester Hours	
Level I - Certificate of Completion - Instruc	tor Option
Major Requirements (1500 Clock Hours)	Camastas Li
Major nequirements (1900 Clock nours)	
COSM 2811 Lesson Plan Development and Supervision	
	32 8
COSM 2812 Management and Assessment Practicum	8 8
COSM 2812 Management and Assessment Practicum COSM 2813 Classroom Teaching Practicum	
COSM 2812 Management and Assessment Practicum	
COSM 2812 Management and Assessment Practicum COSM 2813 Classroom Teaching Practicum	8 8 8

100
General Education Requirements6 COSC 1301 Introduction to Computer Science
Total Semester Hours38
Cosmetology Courses
COSM 2601 Introduction to Cosmetology (4-28)
COSM 2602 Skills Development (4-28)
COSM 2603 Cosmetology Practicum I (4-28)
COSM 2604 Cosmetology Practicum II (4-28)
COSM 2605 Cosmetology Practicum III (4-28)
COSM 2606 Cosmetology Practicum IV (4-28)
COSM 2811 Lesson Plan Development and Supervision (8-24)
COSM 2812 Management and Assessment Practicum (8-24)

COSM 2813 Classroom Teaching Practicum allocation. Emphasizes self-management, oral and written communication, creative thinking and leadership skills. (SCANS 2,4,6,5,9,11) Prerequisite: COSM 2812. COSM 2814 State Licensure Practicum for licensure of cosmetology instructors. Emphasizes organization of information for developing and presenting a lesson plan. (SCANS 2,5,6,11) Prerequisite: COSM 2813, PSYC 2302 and COSC 1301. **Specialization Programs Manicurist Specialist Program** A licensed manicurist may practice manicuring and pedicuring for compensation in a licensed beauty salon or manicuring salon. COSM 1501 Manicuring Specialization

client relationships. Presents all aspects of manicures and pedicures. Includes artificial nail application and removal. Prepares students to test for state licensure as a manicurist upon completion of course. (SCANS 4,5,8) Prerequisite: None.

Facial Specialist Program

A licensed facial specialist is authorized to practice facials, which entail application of facial cosmetics and facial manipulations. Includes licensed salon work such as eye tabs, arches, lash and brow tints and temporary removal of facial hair.

COSM 1703 Facial Specialization I

Prepares student to pass exam for state licensure with knowledge and skills needed as a facial specialist. Furnishes students with knowledge to allocate and follow a time schedule which coincides with the student/customer relationship. Emphasizes related technology selection necessary for application of cosmetics and facial manipulations. Includes eye tabs, arches, lash and brow tints and temporary removal of facial hair. (SCANS 4,5,8) Prerequisite: None.

COSM 1704 Facial Specialization II

A continuation of COSM 1703. Provides student with knowledge and skills needed to pass exam for state licensure as a facial specialist. Furnishes students with knowledge to allocate and follow a time schedule which coincides with the student/customer relationship. Emphasizes related technology selection necessary for application of cosmetics and facial manipulations. (SCANS 4,5,8) Prerequisite: COSM 1703.

Shampoo-Conditioning Specialist Program

A licensed shampoo specialist is authorized to render shampoos, scalp manipulations and scalp treatments. Also authorizes the application of conditioners, rinses and shampoos in a licensed beauty salon.

COSM 1302 Shampoo and Conditioning Specialist

professional student/customer relationship. Includes chemistry, histology, disorders and treatments of the skin and scalp. Completion qualifies student to test for state licensure as a shampoo-conditioning specialist. (SCANS 5,9,10) Prerequisite: None.

(The Texas Higher Education Coordinating Board is considering a shampoo-conditioning specialist certificate of completion. See the department chair for further information.)

Criminal Justice (see Law Enforcement/Criminal Justice)

Culinary Arts

Faculty: Peter Lewis, chair; Terry Gouley.

Odessa College offers an associate in applied science degree program in the culinary arts. This program trains individuals in the basic and advanced principles of food preparation and baking, with additional emphasis focusing on managerial and supervisory skills and practices. The curriculum intends to prepare individuals for entry level professional positions as cooks and bakers and would afford those individuals with sufficient thinking, reasoning and application skills an opportunity to pursue and obtain advancement in their chosen profession.

Course of Study for Associate in Applied Science Degree Culinary Arts

S	emester H
General Education Requirements	23
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
GOVT 2301 U.S. and Texas Government OR	
GOVT 2302 American National Government	3
MATH 1332 Structures of College Mathematics	3
MGMT 1301 Introduction to Management	3
*PHED (any two one-hour activity courses)	2
PSYC 2302 Applied Psychology	3
SPCH 1315 Public Speaking <u>OR</u>	
SPCH 1321 Business and Professional Speech	3
•	
Elective	3
Major Requirements	30
CULI 1201 Food Preparation and Production	2
CULI 1202 Soups and Sauces	2
CULI 1203 Pantry and Short-Order Cooking	
CULI 1206 Introduction to Baking	
CULI 1207 Patisserie	
CULI 1208 Classical Desserts	2
CULI 1320 Sanitation Principles and Practices	
CULI 2210 A La Carte Cooking	2
CULI 2211 International Cuisine	2
CULI 2212 American Regional Cuisine	2
CULI 2215 Food Sculpture and Design	2
CULI 2216 Charcuterie	2
CULI 2217 Buffet Theory and Production	
CULI 2377 Cooperative Work Experience	3
Related Required Courses	12
CUL! 1221 Tableservice and Mixology	12
CULI 1321 Stewarding	
CULI 1322 Nutrition	
CULI 2223 Food Service Management	2
CULI 2224 Menu Design and Layout	2
·	
Total Semester Hours	68

*PHED 1100 should be the first course taken in physical education.

Culinary Arts Certificate Program

This program is designed for the individual who cannot commit to two years in a formalized degree program but wishes to obtain employable skills in the food service industry as quickly as possible. Individuals who complete this program and secure employment may continue their studies toward a degree on a part-time basis without having to repeat major or related courses in the degree sequence.

Course of Study for Certificate of Completion

Level I certificates are TASP-waived.

Level I - Food Preparation Cook Semester Hrs General Education Requirements3 Major Requirements12 CULI 1202 Soups and Sauces2 CULI 1321 Stewarding3 Related Required Course3 Fotal Semester Hours18 **Level I - Food Production Cook** General Education Requirements6 PSYC 2302 Applied Psychology3 CULI 1201 Food Preparation and Production2 CULI 1202 Soups and Sauces2 CULI 1203 Pantry and Short Order Cooking2 CULI 2212 American Regional Cuisine2 Related Required Course3 TMTH 1370 Technical College Mathematics OR higher level math3 Total Semester Hours29 Student Equipment Requirements for Major Courses CULI 1201, 1202 and 1203 Two chef's uniforms consisting of long-sleeved jackets, checkered pants and aprons. Basic chef's tool kit consisting of the following: French knife 8" or 10" blade B. Paring knife 3 1/2" blade Vegetable peeler C. Ď. Cook's fork E. Boning knife-5 1/2" rigid blade

Metal measuring spoons

French whip

CULI 1206, 1207 and 1208

Two chef's uniforms consisting of long-sleeved jackets, checkered pants and aprons. Basic Tool Kit consisting of the following:

- A. French knife 8" or 10" bladeB. Paring knife 3 1/2" blade
- C. Vegetable peeler
- D. French whip
- E. Two icing spatulas 8" or 10"
- F. One Wilton decorating kit
- One serrated meat slicer

CULI 2210, 2211 and 2212

Uniforms and tool kit identified in CA 1201, 1202 and 1203.

CULI 2215, 2216 and 2217

Uniforms and tool kit identified in CA 1201, 1202 and 1203 and:

- 1 set of 1/2" aspic cutters
- 1 Exacto knife
- 1 set of butter sculpture tools

Culinary Arts Courses

CULI 1201 Food Preparation and Production

(3-9) [5 weeks]2 hours Introduces the basic principles, concepts and production systems associated with basic food preparation. The student will be able to read and interpret menus, perform basic calculations to obtain desired food quantities, and select the prescribed procedures, tools, equipment and food supplies to produce specific menu items. The student will also be able to apply the principles of food technology to the production systems and understand the interrelation between food preparation and the importance of food quality, with emphasis on employing the correct sanitation procedures. (SCANS 1,3,7,8) Lab fee required. Prerequisite: None. Corequisite: CULI 1202 and CULI 1203 or permission of the instructor.

CULI 1202 Soups and Sauces

(3-9) [5 weeks] ______2 hours Introduces the basic concepts for the construction, production, holding for service and storage of stocks, soups and sauces. The student will be able to interpret recipes, calculate basic recipe conversions, select and acquire materials for the creation of specific food items. The student will also be able to use the basic technologies of stocks, soups and sauces to develop complex soups and short-sauces. Students will acquire and evaluate their proficiency in the holding for service, cooling, storage and reheating of specific food items. (SCANS 1,3,4,6,7,8) Lab fee required. Prerequisite: CULI 1201. Corequisite: CULI 1201 and CULI 1203 or permission of the instructor.

CULI 1203 Pantry and Short-Order Cooking

Introduces the basic principles of pantry and short-order service with emphasis on the construction and production of salads, salad dressings, breakfast and short-order food items. The student will be able to interpret recipes, perform basic recipe conversions, select materials necessary to perform specific tasks and understand the basic production technologies associated with specific food items. The student will also participate as a team member and be able to understand how the various production systems are interrelated. (SCANS 1,3,4,5,7,8) Lab fee required. Prerequisite: CULI 1201 and CULI 1202. Corequisite: CULI 1201 and 1202 or permission of the instructor.

CULi 1206 Introduction to Baking

CULI 1207 Patisserie

CULI 1208 Classical Desserts

CULI 1221 Tableservice and Mixology

CULI 1320 Sanitation Principles and Practices

CULI 1321 Stewarding

CULI 1322 Nutrition

CULI 2210 A La Carte Cooking

CULI 2211 International Cuisine

CULI 2212 American Regional Cuisine

CULI 2215 Food Sculpture and Design

CULI 2216 Charcuterie

CULI 2217 Buffet Theory & Production

CULI 2223 Food Service Management

CULI 2224 Menu Design and Layout

Developmental Education

Staff: Dr. David J. Tarver, dean; Judy Merritt, counselor.

Odessa College offers a developmental studies program for those students who need further development in or who wish to review fundamentals of mathematics, reading, writing and speech. All courses described below in greater detail are elements of the developmental education program.

These courses are designed to help students achieve fundamental skills that they may not have gained before entering Odessa College and to prepare students for college-level course work. The recommendation to enroll in one, some or all of the developmental courses is made on the basis of diagnostic testing, which can be administered prior to enrollment.

Courses listed below do not satisfy requirements for any degree at Odessa College. Students who intend to transfer to another community college, senior college or university should check with that institution to determine whether the hours earned in developmental education will transfer for degree credit.

Developmental Science Course

BIOL 0371 Developmental Science (32.0101.5139)

Courses and Services Available in Developmental Studies

English Courses and the Writing Lab

ENGL 0371, Basic English, and the four one-hour lab courses — ENGL 0171, ENGL 0172, ENGL 0173 and ENGL 0174 — are designed to help students become more successful in using grammar and writing skills. The Basic English course covers a wide variety of English fundamentals and is specifically designed to prepare students for ENGL 1301, Composition and Rhetoric. Students may enroll in self-paced or classroom instruction for institutional credit, but none of the English courses listed below satisfy requirements for any degree plan at Odessa College.

ENGL 0370 Basic English (32.0108.5335)

The lab courses, ENGL 0171 through 0174, provide practical help in selected areas of English. They focus specifically on principles of the simple sentence, focus and unity, organization and usage. Students are guided into these courses according to their performance on the TASP test and on placement tests administered in the testing center, located on the second floor of the Student Union Building.

ENGL 0171 Sentence Structure (32.0108.5335)

ENGL 0172 Focus and Unity (32.0108.5335)

ENGL 0173 Organization and Development (32.0108.5335)

ENGL 0174 Usage (32.0108.5335)

The tutoring center, located in the Electronics Technology Building, Room 120, and the writing lab, located in Wilkerson Hall, Room 206, offer supplemental, individualized assistance in grammar, spelling, composition and techniques of research to any student who needs improvement in writing ability or skill in literary analysis. Assistance is provided to both walk-in students and students referred by an instructor or by a counselor. Assistance is free of charge for Odessa College students.

Math Courses and the Tutoring Lab

MATH 0371, Basic Mathematics, addresses the four fundamental operations of mathematics and additional topics. The course is designed to prepare students for MATH 0372, Introductory Algebra, and should be taken as a preparatory course only. MATH 0372, Introductory Algebra, continues the review of the basic functions in mathematics and introduces elementary algebra concepts. MATH 0375, Intermediate Algebra, completes the review of elementary algebra concepts and prepares the student for entry into College Algebra. Four one-hour lab courses — MATH 0171, MATH 0172, MATH 0173 and MATH 0174 — provide review of mathematics fundamentals, graphing and equations, algebraic operations and quadratics, and geometry and reasoning. None of these courses satisfies the requirements for any degree plan at Odessa College, and they will not be accepted in transfer to other colleges and universities. Students may be guided into the courses on the basis of optional diagnostic pre-tests that are available in the testing center on the second floor of the Student Union Building.

MATH 0371 Basic Mathematics (32.0104.5135)

MATH 0372 Introductory Algebra (27.0101.5437)

MATH 0373 Elementary Mathematics of Finance (27.0101.6637)

MATH 0375 Intermediate Algebra (27.0101.5237)

The tutoring center, located in Room 120 of the Electronics Technology Building, offers tutoring to Odessa College students and has extensive supplemental materials that parallel the developmental mathematics courses. Audio-tutorial and computer programs demonstrate the relationships between mathematics and everyday situations involving mathematics, in addition to presenting materials on the four basic mathematical operations. Materials and assistance also are available to students wishing to review mathematical concepts related to vocational course work.

The four one-hour lab courses follow. Students may be guided into these courses according to their performance on the TASP test or on optional placement tests administered in the testing center, located on the second floor of the Student Union Building.

MATH 0171 Fundamental Math (32.0104.5135)

MATH 0172 Algebra — Graphing and Equations (32.0104.5135)

MATH 0173 Algebra — Operations and Quadratics (32.0104.5135)

MATH 0174 Geometry and Problem Solving (32.0108.5135)

Reading Courses and the Reading Lab

An effective citizen must read well, and reading courses help to develop efficient tools to use in today's society. These courses implement the philosophy that the ultimate in reading ability is never reached and that good study skills are predominantly good reading skills. Time spent in a program is an investment in self. All people, regardless of their reading ability or what kind of grades they make, can improve their reading skills.

Courses listed below do not satisfy requirements for any degree at Odessa College. Students who intend to transfer to another community college, senior college or university should check with that institution to determine whether hours earned in reading will transfer for degree credit.

READ 0371 Basic Reading (32.0108.5235)

READ 0372 College Reading (32.0108.5235)

READ 0373 Advanced College Reading (32.0108.5235)

College Reading Techniques

The college reading techniques course taught in the Electronics Technology Building, Room 110, provide an alternative reading program with structured, individualized, self-paced instruction.

Registration is open to everyone, and anyone may enroll for non-credit or for one- or threesemester hours of credit. Non-credit enrollment also is available for junior and senior high school students. Standardized tests are given to determine beginning reading performance levels and specific areas of need. Through student-teacher conferences, a self-paced plan of action is developed to set immediate and long-range goals. Pre-tests are scheduled by appointment with the instructor in the Electronics Technology Building, Room 110.

Students should consult with the lab instructor in person during the first week of classes to arrange a meeting time.

READ 0171 Improving Reading Skills (32.0108.5235)

Speech Communication

Speech 0300 is designed to help students develop skills in various areas of oral communication. This institutional-credit course should be taken for personal growth in communication skills and as a preparatory course for other college courses; it does not satisfy requirements for any degree plan at Odessa College. SPCH 0300 explores communication with self, one-to-one, small groups and one-to-many by examining self-concept, non-verbal communication, listening skills, perception, use of language and the organization and presentation of speeches.

SPCH 0300 Basic Speech Communication Skills (32.0108.5135)

Diesel Mechanics (see Automotive Technology and Diesel Mechanics)

Drafting Technology

Faculty: James McPherson, chair.

Drafters make working plans and detailed drawings for engineering construction or manufacturing purposes. They usually work from sketches, specifications or field notes furnished by an engineer, architect or designer. The drafting program is designed to provide basic preparation for entry-level employment.

Course of Study for Associate in Applied Science Degree

		Semester Hrs
ĪG€	eneral Education Requirements	17
	ENGL 1301 Composition and Rhetoric OR	••••
	ENGL 1312 Report Writing	3
	GOVT 2301 U.S. and Texas Government	
A	MATH 1314 College Algebra OR	
	MATH 1372 Technical College Algebra	3
	MATH 1316 Plane Trigonometry	
_	*PHED (any two one-hour activity courses)	
	SPCH 1315 Public Speaking <u>QR</u>	····· 6
		•
•	SPCH 1321 Business and Professional Speech	3
Ma	ajor Requirements	35
	DRAF 1401 Technical Drafting	4
È	DRAF 2377 Cooperative Work Experience	3
	DRAF 2401 Architectural Drafting	4
	DRAF 2402 Machine Drafting	
_	DRAF 2403 Technical Illustration	4
B	DRAF 2404 Piping Drafting	
	DRAF 2406 Structural Drafting	
	DRAF 2408 Computer Aided Drafting	4
_	DRAF 2418 Advanced Computer Aided Drafting	
	=	

Related Requirements
WELD 1401 General Welding4
Total Semester Hours66
Certificates of Technology
Level I certificates are TASP-waived
Architectural Detailer (Level I)
General Education Core ENGL 1301 Composition & Rhetoric OR ENGL 1312 Report Writing
Technical Core DRAF 1401 Technical Drafting 4 DRAF 2377 Cooperative Work Experience 3 DRAF 2401 Architectural Drafting 4 DRAF 2406 Structural Drafting 4 DRAF 2408 Computer Aided Drafting 4 DRAF 2418 Advanced Computer Aided Drafting 4 OSHA 2395 Industrial Safety 3
Total Semester Hours32
Machine Drafting Detailer (Level I) General Education Core ENGL 1301 Composition & Rhetoric OR ENGL 1312 Report Writing
Technical Core 4 DRAF 1401 Technical Drafting 4 DRAF 2377 Cooperative Work Experience 3 DRAF 2402 Machine Drafting 4 DRAF 2403 Technical Illustration 4 DRAF 2408 Computer Aided Drafting 4 DRAF 2418 Advanced Computer Aided Drafting 4 MACH 1401 Basic Machine Shop Fundamentals 4
Total Semester Hours33
Structural Drafting Detailer (Level I)
General Education Core ENGL 1301 Composition & Rhetoric OR ENGL 1312 Report Writing
Technical Core DRAF 1401 Technical Drafting 4 DRAF 2377 Cooperative Work Experience 3 DRAF 2406 Structural Drafting 4 DRAF 2408 Computer Aided Drafting 4 DRAF 2418 Advanced Computer Aided Drafting 4 OSHA 2395 Industrial Safety 3 WELD 1401 General Welding 4 Total Semester Hours 32

水 植注	Pipe Drafting Detailer (Level i) Semester Hrs
	General Education Core ENGL 1312 Report Writing
	Technical Core DRAF 1401 Technical Drafting
	Total Semester Hours28
-	Advanced Skills Certificate of Technology
	<u>Technical illustrator (Level III)</u> Semester Hrs
,	Technical Core
	DRAF 2411 Advanced Architectural Drafting
	DRAF 2413 Advanced Technical Illustration4
•	Total Semester Hours12
1000	Drafting Technology Courses
	DRAF 1401 Technical Drafting (2-4)
	Presents fundamental concepts, terminology, techniques and procedures of drafting for the technical student. Competencies include lettering, scale reading, report writing, the use of resources, the concepts of working within an organization, geometric construction, sketching and shape description, multi-views and the interpretation of industrial sketches. Emphasizes skills development as well as theory. (SCANS 1,2,3,4,7,8) Prerequisite: None.
	DRAF 2377 Cooperative Work Experience (1-20)
_	DRAF 2401 Architectural Drafting
を とり	(2-4)
	DRAF 2402 Machine Drafting (2-4)

DRAF 2403 Technical Illustration Competencies include skills needed to produce pictorial drawings used in industrial catalogs, training aids, engineering designs, assembly sheets and promotional literature. Emphasis is placed on interpreting drawings, using appropriate procedures and problem solving. SCANS (1,8,9) Lab fee required. Prerequisite: DRAF 1401 or ENGR 1304. **DRAF 2404 Piping Drafting** Study of pipes and pipe fittings, symbols and specifications of process systems. Competencies emphasize the drawing of flow diagrams, pumps, compressors and various other mechanical equipment. Emphasis is placed on interpreting data from manuals, performing appropriate mathematical calculations, interpreting information, choosing appropriate procedures and problem solving. Offered spring semester even numbered years. (SCANS 1,3,6,8,9) Lab fee required. Prerequisite: DRAF 1401 or ENGR 1304. **DRAF 2406 Structural Drafting** Competencies include the design and development of details and specifications for industrial structures. Emphasizes structural steel, pipe, reinforced concrete, interpreting technical data, appropriate mathematical calculations, information evaluation and problem solving. Offered spring semester odd numbered years. (SCANS 1,3,6,9) Lab fee required. Prerequisite: DRAF 1401 or ENGR 1304. **DRAF 2408 Computer-Aided Drafting** (2-4)4 hour An introductory course; Competencies cover basic commands and functions utilized to produce drawings using the computer terminal, menu tablet, printer and/or plotter. Emphasizes development of interpersonal skills and qualities needed to succeed in the workplace, learning and applying system functions to basic problems, interpreting instructions, organizing drawing files and problem solving. (SCANS 1,3,5,8,9,10) Lab fee required. Prerequisite: DRAF 1401 or ENGR 1304. **DRAF 2411 Advanced Architectural Drafting** (2-4) 4 hour A continuation of DRAF 2401. Competencies include commercial and industrial construction. Emphasis is placed on interpreting information, appropriate mathematical calculations, communicating ideas, interpreting information, creative thinking and communication procedures. Fall only. (SCANS 3,6,9,11) Lab fee required. Prerequisite: DRAF 2401. **DRAF 2412 Advanced Machine Drafting** (2-4)4 hour À continuation of DRAF 2402. Competencies include a thorough study of position geometric dimensioning and tolerancing. Emphasizes interpretation of information. creating documents, performing mathematical calculation, working as a team, evaluating information, using correct procedures, and problem solving. (SCANS 2,3,5,6,8,9) Lab fee required. Prerequisite: DRAF 2402. **DRAF 2413 Advanced Technical Illustration** A continuation of DRAF 2403. Competencies include inking, shading, and airbrush rendering. Emphasizes the use of correct procedure, creative thinking and self-

management. (SCANS 8,9,10) Lab fee required. Prerequisite: DRAF 2403.

DRAF 2418 Advanced Computer-Aided Drafting

Economics (see Social Sciences)

Education

Advisor: Don Jacobs

Course of Study for Associate in Arts Degree

Education Majors

	Education Majors		
		Semester Hrs	į
	General Education Requirements	48-49	
	COSC 1301 Introduction to Computer Systems	3	
	ENGL 1301 Composition and Rhetoric	3	
	ENGL 1302 Composition and Literature	3	
	ENGL (Sophomore level)	6	
	ENGL (Sophomore level)	3	
	GOVT 2302 American National Government	3	
	HIST 1301 United States History to 1877	3	
	HIST 1301 United States History to 1877 HIST 1302 United States History from 1877	3	
	MATH 1314 College Algebra <u>OR</u>		
	MATH 1332 Structures of College Mathematics OR higher level math	3	
	SPCH 1315 Public Speaking OR		
,	SPCH 1321 Business and Professional Speech	3	
	*PHED (any two one-hour activity courses)	2	
	PSYC 2308 Child Psychology* **An additional college level math or laboratory science	3	
	**An additional college level math or laboratory science	3-4	
	Any four-hour laboratory science	4	
	Any three-hour fine arts course	3	
	Elective (must be outside the major area)	3	
•	Elementary Education		
1	Electives (Should be selected from social science, natural science, mathematics, foreign languages, fine arts, and humanities)	11-12	
	Secondary Education		
	Electives (Should be selected from freshman and sophomore courses which we toward a specialized teaching field. This teaching field must be in a discip taught in the secondary schools. Before elective courses are selected, educated students are strongly encouraged to consult with the catalog of senior inst which they intend to transfer)	line which is lucation itution to	
	Total Semester Hours	63	
	*PHED 1100 should be the first course taken in physical education. **These will meet the six to eight hours required in either math or science for a arts degree.	n associate of	•

Electrical/Electronics Technology

Faculty: Danny Bailey, chair.

The electrical/electronics technology curriculum is designed to prepare individuals for technical careers in the industrial electrical field. Students may follow a plan leading toward an associate in applied science degree or follow a plan leading toward a certificate. Individuals currently employed in the field can increase or update their technical knowledge and skills by enrolling in specialized electrical/electronics courses (note prerequisites). While the overall program is broad based, some specialization is possible in motors, controls, and programmable controllers in electrical technology and communication and computer repair in electronics technology.

Course of Study for Associate in Applied Science Degree Electrical Technology

Hrs

2.002.02.	Semester
General Education Requirements	20
COSC 1301 Introduction to Computer Systems	3 3 3
PSYC 2302 Applied Psychology	
SPCH 1321 Business and Professional Speech	
* PHED 1100 should be the first course taken in physical education.	
Technical Core	4 4
Major Requirements ELEC 1401 D.C. Circuits ELEC 1404 Electronics I ELEC 2302 Electrical Power Technology ELEC 2377 Cooperative Work Experience ELEC 2400 Electronics II ELEC 2404 Electrical Machinery and Controls ELEC 2411 Programmable Logic Controllers	4 3 3 4
Total Semester Hours	65

Credit for ELEC courses may be awarded by passing an advanced standing examination. Students with prior training or experience who wish to apply for advanced standing should contact the department chair.

Certificates in Electrical Technology

Level I certificates are TASP-waived.

	<u>Level i Electrical Technician</u>
100	Semester Hr
	General Education Core
	PSYC 2302 Applied Psychology
I	
-	Technical Core
	ELEC 1401 DC Circuits4
S	ELEC 2404 Electrical Machinery and Controls4
30	ELEC 2410 National Electrical Code4
•	Total Hours18
_	
180	Level II Advanced Electrical Technician
P.	General Education Core Semester Hrs
	COSC 1301 Introduction to Computer Systems
	PSYC 2302 Applied Psychology
	PSYC 2302 Applied Psychology
*	
	Technical Core ELEC 1401 DC Circuits4
_	ELEC 1401 DC Circuits4 ELEC 1404 Electronics I
	ELEC 2205 Electronic Instruments
22	ELEC 2302 Electrical Power Technology
	ELEC 2305 Electrical Business Operations
_	ELEC 2377 Cooperative Work Experience
	(May be substituted with department chair's approval)
	ELEC 2400 Electronics II4
	ELEC 2404 Electrical Machinery and Controls4
-	ELEC 2410 National Electrical Code
	ELEC 2411 Programmable Logic Controllers4
305	Total Hours44
	10tal 110tal 9 179
	Course of Study for Associate in Applied Science Degree
1000	Course of Olddy for Associate in Applied Ocicine Degree
_	Electronics Technology
	Semester Hr
	General Education Requirements20
3	COSC 1301 Introduction to Computer Systems
_	ENGL 1301 Composition and Rhetoric <u>ÓR</u> ENGL 1312 Report Writing3 GOVT 2301 U.S. and Texas Government3
	MATH 1314 College Algebra <u>OR</u>
	MATH 1371 College Algebra for Business <u>OR</u>
-24	MATH 1372 Technical College Algebra3
	PSYC 2302 Applied Psychology3
_	*PHED (any two one-hour activity courses)2
105	SPCH 1315 Public Speaking <u>OR</u>
3	SPCH 1321 Business and Professional Speech
	Elective3
	*PHED 1100 should be the first course taken in physical education.

Major Requirements 39 ELEC 1401 D.C. Circuits 4 ELEC 1402 Computer Circuits I 4 ELEC 1403 A.C. Circuits 4 ELEC 1404 Electronics I 4 ELEC 1408 Computer Circuits II 4 ELEC 2377 Cooperative Work Experience 3 ELEC 2400 Electronics II 4 ELEC 2401 Two Way Radio 4 ELEC 2408 Computer Circuits III 4 ELEC 2414 Circuit Analysis 4	
Related Requirements4 DRAF 1401 Technical Drafting4	3
Total Semester Hours66	
Credit for ELEC courses may be awarded by passing an advanced standing examination. Students with prior training or experience who wish to apply for advanced standing should contact the department chair.	
Certificates in Electronics Technology	
Level I certificates are TASP-waived.	•
Level I Certificate for Electronics Technician Semester Hrs	. 1
General Education Core TMTH 1370 Technical College Math or higher math	· •
Technical Core ELEC 1401 D.C. Circuits 4 ELEC 1402 Computer Circuits I 4 ELEC 1403 A.C. Circuits 4 ELEC 1404 Electronics I 4 ELEC 1408 Computer Circuits II 4	
Total Semester Hours23	
Level II Certificate for Advanced Electronics Technician	
General Education Core COSC 1301 Introduction to Computer Systems3 ENGL 1312 Report Writing	
Technical Core ELEC 1401 DC Circuits 4 ELEC 1402 Computer Circuits I 4 ELEC 1403 A.C. Circuits 4 ELEC 1404 Electronics I 4 ELEC 1408 Computer Circuits II 4 ELEC 2400 Electronics II 4 ELEC 2401 Two Way Radio 4 ELEC 2408 Computer Circuits III 4 ELEC 2414 Circuit Analysis 4	
Total Semester Hours45	

Electronics Technology Courses

ELEC 1401 D. C. Circuits

ELEC 1402 Computer Circuits I

ELEC 1403 A.C. Circuits

ELEC 1404 Electronics I

ELEC 1408 Computer Circuits II

ELEC 2205 Electronic Instruments

ELEC 2302 Electrical Power Technology

ELEC 2305 Electrical/Electronics Business Operations

ELEC 2377 Cooperative Work Experience

ELEC 2400 Electronics II

ELEC 2401 Two-way Radio

ELEC 2404 Electrical Machinery and Controls

ELEC 2408 Computer Circuits III

ELEC 2410 National Electrical Code

ELEC 2411 Programmable Logic Controllers

ELEC 2414 Circuit Analysis

Emergency Medical Technology

Faculty: LeeDon Martin, chair; Phyllis Howard, Dr. Weldon Butler, medical director.

Odessa College offers a cooperative program with a local hospital and an ambulance service designed to provide understanding, proficiency and skill in emergency medical care and transportation of the sick and injured. The curriculum is primarily designed for ambulance personnel, safety engineers, rescue squad workers, policemen, firemen, employees of public or private health agencies, and civil defense workers. Completion of the courses will qualify the individual to write the examination for registry with the Texas Department of Health, Emergency Medical Services Division.

Objectives are to include all techniques of emergency medical care presently considered within the responsibilities of the emergency medical technician, as well as the operational aspects of the job in which he is expected to perform. Specific contents of the courses are based on guidelines from the Texas Department of Health, Division of Emergency Medical Services, and the U.S. Department of Transportation. The training includes both theoretical and practical applications of emergency medical care.

Enrollment in EMED 2801 and EMED 2802 is limited, and students are urged to contact the department chair early to ensure acceptance to the program. Applicants or those seeking additional information should contact the emergency medical technology director or counseling center.

Enrollment in EMED 1301, 2401, 2801 and 2802 requires student liability insurance. In addition to the student liability, the student will be responsible for other necessary equipment as well. This equipment is mandatory for class and the student should be aware of the extra costs involved. The student should contact the department chair or one of the faculty members before enrolling in the class to get a list of the necessary equipment.

Course of Study for Associate in Applied Science Degree Emergency Medical Technology

First Year

<u>First Semester</u>	Semester Hrs
BIOL 1170 Medical Terminology	4
GOVT 2301 U.S. and Texas Government OR GOVT 2302 American National Government MATH 1332 Structures of College Mathematics or higher level math	3
*PHED 1100 Lifestyle Assessment and Modification	
Second Semester BIOL 2402 Anatomy and Physiology II	4
EMED 1301 Clinical Practicum	5
ENGL 1302 Composition and Literature *PHED (any one-hour activity course)	1
First Summer Session EMED 2201 Basic Electrocardiography and Introduction to Emergency Pharmacology	9
Second Year	
Third Semester	
COSC 1301 Introduction to Computer Science	3
EMED 2801 Advanced Emergency Care of Sick and Injured	8
NURS 1201 Pharmacology	
Elective	3-4
Fourth Semester	_
EMED 2802 Advanced Emergency Care of Sick and Injured	8
PSYC 2301 Introduction to Psychology SPCH 1321 Business and Professional Speech	
•	
Total Semester Hours	63-64
Course of Study for Certificate of Comple	tion
Level I certificates are TASP-waived.	
Level I Basic Emergency Medical Technician	
First Semester EMED 1301 Clinical Practicum EMED 1501 Emergency Care of Sick and Injured *PHED (any one-hour activity course)	5
Second Semester	
COSC 1301 Introduction to Computer Science	3 3
Total Semester Hours	15

4	Level I Intermediate Emergency Medical Technician First Semester
	EMED 1301 Clinical Practicum
	Second Semester COSC 1301 Introduction to Computer Science
_	Total Semester Hours25
	Level I Advanced Emergency Medical Technician First Semester EMED 1301 Clinical Practicum
	Second Semester COSC 1301 Introduction to Computer Science
	Third Semester EMED 2801 Advanced Emergency Care of the Sick or Injured8
Ŋ	Fourth Semester EMED 2802 Advanced Emergency Care of the Sick or Injured8
8	Total Semester Hours33
	*PHED 1100 should be the first course taken in physical education.
	Emergency Medical Technology Courses
	EMED 1301 Clinical Practicum
	(0-9)
	EMED 1501 Emergency Care of the Sick and Injured
	(4-4)
	and patients. Prepares student to write the basic EMED state certification. State certification requires EMED 1301 as a corequisite: Lab fee required. State certification fee required. (SCANS 1,2,4,5,7,8,9,10) Prerequisite: Must be 18 years of age.

EMED 2200 Emergency Medical Review Presents periodic review of terminology, concepts and techniques needed to meet the continuing education needs of the EMT. Students learn methods of prioritizing tasks and skills as well as improved communication skills as well as the latest techniques and theories of emergency medicine. Lab fee required. (SCANS 1,2,4,8,9,11) Prerequisite: Basic EMT certification. EMED 2201 Basic Electrocardiography and Introduction to Emergency Pharmacology (4-0) [6 weeks]2 hours Presents terminology, concepts and techniques needed to begin a study of paramedic level training. Covers cardiac fundamentals, cardiac monitoring and basic concepts of the electrical system of the heart. Presents emergency cardiac pharmacology concepts to students. Requires ability to perform basic drug calculations. (SCANS 1,3,6,9) *This course will be a prerequisite to EMED 2801 starting in the fall 1995 semester. **EMED 2400 Advanced Paramedic Review** (4-0)4 hours Presents students with terminology, concepts, new technology of emergency medicine and team approach concepts. Allows students to learn new techniques and skills. (SCANS 1,2,5,8,9) Prerequisite: Current EMT-paramedic certification. **EMED 2401 Intermediate Practicum** (0-10)4 hours Designed to complement EMED 2604. Presents clinical opportunities for the student to meet the competencies required on an EMT-I. Students work in various hospital departments and on an MICU ambulance, where they provide patient care. Students must be able to communicate with multiple agencies, have leadership qualities, be able to perform treatments. Students must be professional and have high medical ethic standards. (SCANS 1,2,5,8,9,10,11) Corequisite: EMED 2601. EMED 2601 Intermediate Care of the Sick and Injured Students will be introduced to intermediate level of emergency care of sick and injured patients. Students must be able to communicate with a medical director, medical facilities and mobile intensive care ambulance units. Students must be able to perform at a higher level than the EMT by mastering the intermediate skills of advanced airway procedures, IV therapy, advanced patient assessment and MAST pants therapy. Students must understand the anatomy and physiology in greater depth, and learn to assess patients to a higher degree who may require the advanced emergency care. Critical workplace competencies include leadership, decision making ability, team work with various other agencies. Personal qualities must include responsibility, sociability, self-motivation, self-management and good medical ethics to ensure safe and efficient patient care. Lab fee required. (SCANS 1,2,3,4,5,7,8,9,11) Prerequisites: Current Texas EMT certification and be 18 years of age. Corequisite: EMED 2401. EMED 2801 Advanced Emergency Care of the Sick or Injured (4-12)8 hours Presents terminology, concepts, and techniques needed to care for the acutely ill. Students learn to read, write and interpret data and learn basic drug calculations, as well as learn to prioritize time and tasks and enhance their interpersonal team communications. Students learn advance skill techniques, and how to become part of the ambulance and hospital systems. Lab fee required. (SCANS 1,2,3,4,5,7,8,9,11) Prerequisite: EMED 2201 and EMT certification and consent of the department chair. EMED 2802 Advanced Emergency Care of the Sick or Injured (4-12)8 hours

A continuation of EMED 2801 which emphasizes advanced emergency care of the acutely ill.

Students will learn to read, write and interpret medical data concerning basic electrocardiology, obstetrics, pediatrics, rescue techniques, communication and management of emotionally disturbed. Students will be part of the ambulance and hospital teams and will be responsible for total patient care decisions. Students will learn independent thinking and decision-making techniques. At the completion of the course, students may take the EMT-paramedic state certification examination. Lab fee required. State exam fee required. (SCANS 1,2,3,5,8,9,10,11) Prerequisite: EMED 2801 and consent of the department chair.

Engineering

Faculty: George Brewer, chair.

The curriculum in engineering has been designed for those students who wish to prepare for professional engineering degrees. Students should be aware of specific requirements of the college or university to which they may ultimately transfer. The program below is a suggested one and may be modified to conform to requirements of the students' chosen transfer institution.

Course of Study for Pre-Engineering

_	Course of Study for Pre-Engineering	
W. 10		Semester Hrs
	General Education Requirements	34
_	ENGL 1301 Composition and Rhetoric	3
	GOVT 2301 U.S. and Texas Government	3
	GOVT 2302 American National Government	3
3	HIST 1301 U.S. History to 1877	3
	HIST 1301 U.S. History to 1877 HIST 1302 U.S. History from 1877	3
	MATH 1348 Analytic Geometry	
	MATH 2313 Calculus I	
	*PHED (any two one-hour activity courses)	
8	PUVS 2425 Engineering Physics I	
Ų	PHYS 2425 Engineering Physics IPHYS 2426 Engineering Physics II	
	PRIS 2426 Engineering Physics II	4
_	SPCH 1321 Business and Professional Speech	3
	Major Requirements	18
	ENGR 1304 Engineering Drawing	3
-	ENGR 2301 Mechanics I	3
	ENGR 2302 Mechanics II	3
	MATH 2314 Calculus II	3
	MATH 2315 Calculus III	
P	MATH 2320 Differential Equations	
	MATTI 2020 Dilleterillar Equations	
	Related Requirements	12
	CHEM 1111 Fundamentals of Chemistry Lab I CHEM 1112 Fundamentals of Chemistry Lab II CHEM 1311 General Inorganic Chemistry I CHEM 1312 General Inorganic Chemistry II	1
	CHEM 1112 Fundamentals of Chemistry Lab II	1
	CHEM 1311 General Inormanic Chemistry I	3
	CHEM 1312 General Inorganic Chemistry II	3
_	COSC 1415 Introduction to Computer Science	4
	·	
	Total Semester Hours	64
	*PHED 1100 should be the first course taken in physical education.	
	Chemical engineering majors should take Chemistry 2323, 2123, 2125 and 2	2225
-	Chemical engineering majors stould take Chemistry 2020, 2 120, 2 120 and 2	n littima a mannita
	It is recommended that all engineering majors take MATH 2318 (Linear Algebra	a) II UMƏ PƏMIKS.
	Students pursuing engineering as a career who desire an associate degree a	are advised to
	follow the curriculum for an associate in science degree.	
	inter the seminated of the doodding in admines as Brasi	

Engineering Courses ENGR 1304 Engineering Drawing (48.0101.5129) Presents care and use of drawing instruments, free-hand lettering, geometric construction, general drafting principles, multiview projection, revolutions and sections. Includes isometric and cabinet projection, threads, bolts, rivets, helices, dimensioning, principles of working drawings, oblique drawing and fundamentals of computer graphics. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing and planning actions necessary to solve problems. Students will further develop and/or discover mathematical relationships and acquire skills in gathering, organizing and evaluating information. (SCANS 3,6,9) Prerequisite: None. ENGR 1370 Engineering Analysis (14.1101.5229)

Introduces the profession of engineering. Presents an overview of various disciplines within the engineering field. Includes methods of analyzing and solving engineering problems. Includes an introduction to FORTRAN. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing and planning actions necessary to solve problems. Students will further develop and/or discover mathematical relationships and acquire skills in gathering, organizing and evaluating information. (SCANS 3,6,9) Lab fee required. Prerequisite: None; however, algebra, trigonometry and physics backgrounds are recommended.

ENGR 1305 Descriptive Geometry (48.0101.5129)

Introduces principles of descriptive geometry, auxiliary views, developments, intersections, double-curved and warped surfaces, point, line and plane problems, and their applications to problems of engineering and architecture. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing and planning actions necessary to solve problems. Students will further develop and/or discover mathematical relationships and acquire skills in gathering, organizing and evaluating information. (SCANS 3,6,9) Prerequisite: ENGR 1304 or DT 1401.

ENGR 2301 Mechanics I (14.1101.5229)

A basic mechanics course utilizing vectors. Introduces statics, including concepts of free-body diagrams, friction forces and virtual-work as well as motion of particles, including momenta, energy and work concepts. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing and planning actions necessary to solve problems. Students will further develop and/or discover mathematical relationships and acquire skills in gathering, organizing and evaluating information. (SCANS 3.6.9) Prerequisite or corequisite: MATH 2314.

ENGR 2302 Mechanics II (14.1101.5329)

Dynamics of particles, including harmonic motion, motion of a particle in a central force field, momentum and work methods, theory of rigid body motion, work and energy methods, and relative motion in rigid bodies. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing and planning actions necessary to solve problems. Students will further develop and/or discover mathematical relationships and acquire skills in gathering, organizing and evaluating information. (SCANS 3,6,9) Prerequisite: ENGR 2301.

English and Foreign Languages

Faculty: Ned Pilcher, chair; I-Fan Chen, Dr. Judith Cornes, Wayne Johnson, Mark Jordan, Ulrike Kalt, Dr. Daryl Lane, Ivan Reyez, Donna Smith, Dr. Michael White, Lynn Whitson.

English

Language defines us as human; without language we would never have evolved from a mere animal-like existence. Not only is language the means by which we communicate with others and thus create societies and culture, it also is the sole means we have of shaping and controlling our thought. Indeed, without language, we would have no science, no religion, no technology, no civilization. Abilities to communicate and think with precision and flexibility are more than just useful skills; they are fundamental to our survival and to our progress as humankind.

Further, without the power to read intelligently, we would be spiritually diminished; the full richness of our cultural heritage would be inaccessible to us. In great literature, civilizations have recorded not only their exploits, but also psychological and cultural truths that unfold in archetype and myth. Literature is both the magnifying glass and the mirror through which we learn of others' cultural experiences and see our own more clearly.

Students in literature and languages study the structure, the resources, the nuances of languages, and they read many of the world's literary masterpieces. They pursue the skills necessary for clear, effective, forceful communication and intelligent, perceptive, analytical reading.

Tutoring Labs

A tutoring lab is located in the Electronics Technology Building, Room 120. An additional writing lab, equipped with computers, is located in Wilkerson Hall, Room 206. These labs offer supplemental, individual instruction in grammar, spelling, composition and techniques of research to any student who needs improvement in writing ability or skill in literary analysis. Assistance is provided to both walk-in students and students referred by any instructor. All assistance is free of charge.

Course of Study for Associate in Arts Degree English Major

	Semester Hrs
General Education Requirements	48
COSC 1301 Introduction to Computer Systems	3
Foreign Language (FREN, GERM or SPAN 1411 and 1412)	8
Foreign Language (sophomore Level)	
GOVT 2301 U.S. and Texas Government	
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	
**MATH 1314 College Algebra OR	
MATH 1332 Structures of College Mathematics I	3
**MATH 1316 Plane Trigonometry <u>ÖR</u>	
MATH 1333 Structures of College Mathematics II OR	
MATH 1342 Mathematical Statistics	3
*PHED (any two one-hour activity courses)	2
Science (two sequential laboratory courses)	8
SPCH 1315 Public Speaking OR	
SPCH 1321 Business and Professional Speech	3

130
Major Requirements
Approved Electives3
Total Semester Hours63
*PHED 1100 should be the first course taken in physical education. Students who have some knowledge of a foreign language are advised to consider the advanced standing examination program for credit by examination.
** Students should check math requirement of designated senior institution.
English Courses
ENGL 0171 Sentence Structure (32.0108.5335)
(0-1)
ENGL 0172 Focus and Unity (32.0108.5335) (0-1)
ENGL 0173 Organization and Development (36.0108.5335) (0-1)
ENGL 0174 Usage (32.0108.5335) (0-1)

usage, plural and possessive conventions, and precise and appropriate word choice as well as other composition techniques. Prepares student for the TASP examination and for ENGL 0370 and ENGL 1301. Credit probably not transferable. This course does not satisfy requirements for any degree plan at Odessa College. (SCANS 2,9) Lab fee

required. Prerequisite: Consent of the instructor.

ENGL 0370 Basic English (32.0108.5335) (3-0)3 hours A compensatory course designed to improve basic thinking and writing skills. Emphasizes essay development and use of conventional English. Requires essays composed in response to various prompts. Prepares student for ENGL 1301. Credit probably not transferable. This course does not satisfy requirements for any degree plan at Odessa College. The student must attain a "C" or better before enrolling in ENGL 1301. (SCANS 2,9) Lab fee required for ENGL 0370 WP (Word Processing). Prerequisite: None. Corequisite: Students who have not taken and passed the reading section of TASP must enroll in a reading class. ENGL 1301 Composition and Rhetoric (23.0401.5135) Consists of essentials of correctness and effectiveness in writing skills. Emphasizes reading and writing expository prose. Requires expository essays and collateral readings. (SCANS 1,2,9) Lab fee required for ENGL 1301 (Word Processing). Prerequisite: ENGL 0370 passed with a "C" or better or a satisfactory placement score. ENGL 1302 Composition and Literature (23.0401.5135) Consists of reading and analyzing selected works from the principle genres of literature and introduces research techniques. Requires analytical papers on literature, research exercises, supplemental readings and examinations. (SCANS 1,2,9) Prerequisite: ENGL 1301. **ENGL 1312 Report Writing** (23.1101.5135) (3-0)3 hours Consists of reading and writing directions, proposals, abstracts, summaries, letters and other report forms commonly used in business and industry. Gives attention to style, paragraphing, organization, mechanics, and usage as they apply to technical writing. Students should check with senior college regarding course transferability. (SCANS 2,9,11) Lab free required for ENGL 1312 (Word Processing). Prerequisite: ENGL 0370 passed with a "C" or better or a satisfactory placement score. ENGL 1379 Advanced Composition and Rhetoric (23.0401.5135) (3-0) 3 hours An advanced course in English composition for students who want to polish their writing skills and to gain experience with a wide variety of expository methods. Requires writing clear, thoughtful prose with substantial content. Also requires at least one longer paper and some research. (SCANS 2,9) Prerequisite: ENGL 1301. **ENGL 2307 Creative Writing** (23.0501.5135) (3-0) 3 hours Introduces the study and writing of fiction and poetry. Presents contemporary writers, market analysis and preparation and submission of manuscripts for publication. An elective course that will not substitute for any required English course in any associate degree program. May be repeated for credit. Will transfer, perhaps, in selected majors at senior institutions. (SCANS 2,9) Prerequisite: ENGL 1302 or consent of the instructor. ENGL 2311 Technical and Report Writing (23.1101.5135) (3-0) 3 hours Consists of reading and writing technical documents used in business and industry. Offers practical experience in the use of technical terms and in the processes of

collection, interpretation, organization, and textual presentation of data. Students should check with universities regarding course transferability. (SCANS 2,6,9) L ab fee required for ENGL 2311 (Word Processing). Prerequisite: ENGL 1302 or consent of the

department chairperson.

132 ENGL 2322 Survey of British Literature I (23.0801.5135) period through the Neoclassical period. Requires research paper or several short analytical papers. Required of all English majors. (SCANS 1,2,9) Prerequisite: ENGL 1302. ENGL 2323 Survey of British Literature II (23.0801.5135) (3-0) 3 hours Consists of reading and analyzing significant works of British literature from the Romantic period to the present day. Requires research paper or several short analytical papers. Required of all English majors. (SCANS 1,2,9) Prerequisite: ENGL 1302. ENGL 2327 Survey of American Literature I (23.0701.5135) Consists of reading and analyzing significant works of American literature from the Colonial period through the Romantic period. Requires research paper or several short analytical papers. (SCANS 1,2,9) Prerequisite: ENGL 1302. ENGL 2328 Survey of American Literature II 23.0701.5135) Consists of reading and analyzing significant works of American literature from the Realistic period to the present day. Requires research paper or several short analytical papers. (SCANS 1,2,9) Prerequisite: ENGL 1302. **ENGL 2332 Survey of World Literature I** (23.0301.5235) Consists of reading and analyzing significant works of literature of the western world from the Classical period through the Renaissance. Requires research paper or several

ENGL 2333 Survey of World Literature II (23.0301.5235)

short analytical papers. (SCANS 1,2,9) Prerequisite: ENGL 1302.

Consists of reading and analyzing significant works of literature of the western world from the Neoclassical period through the present day. Requires research paper or several short analytical papers. (SCANS 1,2,9) Prerequisite: ENGL 1302.

Options

Students who enroll in ENGL 0370-Word Processing or ENGL 1301-Word Processing and who lack keyboarding skills should also enroll in OE 1100 Basic Keyboarding Skills, a one-hour, eight-week course that develops touch-method skills on the alpha-numeric keyboard.

Students have two alternatives to regular ENGL 1302 courses listed above. The first is ENGL 1302-Film, which substitutes movies for written literature. The second is ENGL 1302-Science Fiction, which is based on science fiction and fantasy novels, stories and movies.

On the sophomore level, the department offers an alternate method for completing ENGL 2327 and ENGL 2328. In addition to the regularly scheduled three-hour per week sections of each class, a special six-hour time block is set aside each semester so that students can complete both courses in a single semester. During the first half of the semester, students complete ENGL 2327. At this point, they may or may not choose to continue with ENGL 2328, which will be completed in the second half of the semester.

Foreign Languages

Most four-year colleges and universities require one or two years of a foreign language for a bachelor's degree in arts and sciences. The foreign language program at Odessa College can satisfy the needs of most students whose prospective major requires a foreign language. Students should consult carefully the catalog of the senior college or university they plan to attend.

Many students who major in foreign languages become language teachers. Others use their foreign language capabilities in law, business, sales, foreign service, travel for professional reasons or for pleasure, politics, social work, elementary education and

sociability. For still other students, their language skill becomes a springboard to more alert citizenship through increased understanding of and interest in the world at large.

In the classroom, concentration is on the immediate and practical. The courses consist of vocabulary and drills most needed for communication, with ample opportunity for students to practice speaking the language. With the aid of well-equipped labs and teachers well qualified to teach the spoken language, students are expected to be able to speak, read and write the language by the time they have completed their second year of study. From the first day, class is carried on primarily in the language being studied.

Course of Study for Associate in Arts Degree Foreign Language Major

Foreign Language Major
Semester Hrs
General Education Requirements43
COSC 1301 Introduction to Computer Systems
ENGL 1301 Composition and Rhetoric
ENGL 1302 Composition and Literature
ENGL (sophomore level)
GOVT 2301 U.S. and Texas Government
GOVT 2302 American National Government
HIST 1301 U.S. History to 1877
HIST 1302 U.S. History from 1877
MATH 1314 College Algebra3
*PHED (any two one-hour activity courses)
Science (two sequential laboratory courses)
SPCH 1321 Business and Professional Speech
·
Major Requirements22
Foreign Language 1411 and 14128
Foreign Language 1411 and 1412 (second language)8
Foreign Language (sophomore level)6
Approved Elective3
Total Semester Hours68
*PHED 1100 should be the first course taken in physical education.
Students who have some knowledge of a foreign language are advised to consider the advanced standing examination program for credit by examination.
French (42 000 February)
FREN 1411 First Year French I (16.0901.5131) (3-2)
(3-2)
FREN 1412 First Year French II (16.0901.5131)
(3-2)
A continuation of FREN 1411. Has same purposes and uses same techniques. (SCANS 2,9) Lab fee required. Prerequisite: FREN 1411 or its equivalent.
FREN 2311 Second Year French I (16.0901.5231)
(3-0)
conversation based on reading assignments. Includes grammar and composition. Individual help available. (SCANS 2,9) Prerequisite: FREN 1412 or its equivalent.

FREN 2312 Second Year French II (16.0902.5232) (3-0)
<u>German</u>
GERM 1411 First Year German I (16.0501.5131)
(3-2)
GERM 1412 First Year German II (16.0501.5131)
(3-2)
GERM 2311 Second Year German I (16.0501.5231) (3-0)
A sequential continuation of GERM 1411 and 1412. Conducted in German. Emphasizes conversation based on reading assignments. Includes grammar and composition. Many course elements self-paced. Individual help available. (SCANS 2,9) Prerequisite: GERM 1412 or its equivalent.
GERM 2312 Second Year German II (16.0501.5231)
(3-0)
Latin
LATI 1411 First Year Latin I (16.1203.5131)
(3-2)
LATI 1412 First Year Latin II (16.1203.5131)
(3-2)
Spanish (40 2005 5404)
SPAN 1300 Conversational Spanish I (16.0905.5431) (3-0)
Conducted in basic, everyday conversation in simple social contexts. Introduces sound sentence structure but emphasizes basic vocabulary, idiomatic expressions and daily speech. (SCANS 2,9) Prerequisite: None.
SPAN 1310 Conversational Spanish II (16.0905.5431)
(3-0)

SPAN 1370 Intensive Spanish Practicum (8-16)[2 weeks]3 hours A two-week course of intensive verbal practice in Spanish. Consists of six hours of classes daily with side trips to cultural points of interest. Students will live with local families who speak little or no English. Cost includes round-trip airfare, room and board, institutional tuition and books. Odessa College fees not included. No previous knowledge of Spanish required. Students should check with senior college regarding course transferability. (SCANS 2,9) Prerequisite: None. SPAN 1371 Spanish for Native Speakers of Spanish I Gives special attention to pronunciation, writing, reading and usage for students whose native language is Spanish. Emphasizes structure of the language, generating basic sentence patterns and reading and analyzing brief passages of prose. (SCANS 2,9) Prerequisite: None. SPAN 1372 Spanish for Native Speakers of Spanish II A continuation of SPAN 1371. Examines structure of the language and uses advanced material for reading and writing. (SCANS 2,9) Prerequisite: SPAN 1371 or consent of the instructor. **SPAN 1411 First Year Spanish I** (16.0905.5131) (3-2)4 hours A basic course conducted in Spanish for students without previous experience in Spanish. Emphasizes simple conversation: pronunciation, fluency and vocabulary. Presents basic grammar and composition. May require up to two hours per week of individual practice in the language lab. Individual help available. Many course elements self-paced. (SCANS 2,9) Lab fee required. Prerequisite: None. **SPAN 1412 First Year Spanish II** (16.0905.5131) (3-2)4 hours Conducted in Spanish, a continuation of SPAN 1411. Emphasizes more advanced conversation: pronunciation, fluency and vocabulary. Presents more advanced grammar and composition. May require up to two hours per week of individual practice in the language lab. Individual help available. Many course elements are self-paced. (SCANS 2,9) Lab fee required. Prerequisite: SPAN 1411 or its equivalent. **SPAN 2311 Second Year Spanish I** (16.0905.5231) conversation based on reading assignments. Includes grammar and composition. Many elements self-paced. (SCANS 2,9) Prerequisite: SPAN 1412 or its equivalent. **SPAN 2312 Second Year Spanish II** (16.0905.5231) based on reading assignments. Includes grammar and composition. (SCANS 2,9) Prerequisite: SPAN 2311 or its equivalent. **SPAN 2321 Spanish Literature I** (16.0905.5331) culture. Includes reading of short prose and poetry selections for students new to Spanish literature. Includes conversation, writing and grammar review. (SCANS 2,9) Prerequisite: SPAN 2312, its equivalent or consent of the instructor. SPAN 2322 Spanish Literature II (16.0905.5331) A continuation of SPAN 2321. Conducted in Spanish. Includes a further study of Spanish and Latin American literature and culture, along with conversation, writing and grammar review.

Environmental (see Occupational Safety and Health Technology)

Fire Technology

Faculty: LeeDon Martin, chair.

The fire technology program assists in the development of meaningful educational experiences for pre-service and in-service fire fighters. The program emphasizes the principles of fire protection, fire prevention and fire suppression.

Courses stress practical application in understanding building designs, classification of fires, exposure protection, toxic furnes, arson investigation, hazardous materials, fire fighting techniques and standards. The course surveys fire administration with special interest in recruiting, organization, budget, legal aspects, employee effectiveness, evaluation and related problems. The program is planned to develop specific abilities and knowledge for entry-level employment and to provide the necessary educational background for advancing into a highly responsible position in the profession.

All courses are structured to coincide with the requirements set forth by the State Commission on Fire Protection and the State Firemen's and Fire Marshals' Association.

Course of Study for Associate in Applied Science Degree Fire Technology

The reciniology	
	Semester H
General Education Requirements	20
COSC 1301 Introduction to Computer Systems	3
ENGL 1312 Report Writing	3
ENGL 2311 Technical and Report Writing	3
GOVT 2301 U.S. and Texas Government	3
MATH 1332 Structures of College Mathematics OR	
MATH 1372 Technical College Algebra OR higher level math	3
PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking OR	
SPCH 1321 Business and Professional Speech	3
Elective	•
_iocuva	
Major Requirements	36
FIRE 1301 Fundamentals of Fire Protection	3
FIRE 1304 Fire Protection Systems QR	
FIRE 2310 Fire Hydraulics and Equipment	3
FIRE 1305 Fire Prevention	3
FIRE 1306 Chemistry for Fire Fighters	3
FIRE 2301 Fire and Arson Investigation	
FIRE 2302 Building Codes and Construction	3
FIRE 2303 Fire Administration	3
FIRE 2306 Hazardous Materials I	3
FIRE 2307 Fire Safety Education	3
FIRE 2315 Fire Fighting Tactics and Strategy	3
FIRE 2316 Fire Ground Command	3
FIRE 2377 Cooperative Work Experience	3
Related Requirements	8
EMED 1301 Clinical Practicum	3
EMED 1501 Emergency Care of the Sick and Injured	5
Total Semester Hours	67

A certificate of technology may be earned by those who do not wish to pursue an associate degree by completing the course of study listed below.

Certificates of Technology Level I certificates are TASP-waived.

Level I Fire Protection

	Semester Hr
General Education Requirements	
COSC 1301 Introduction to Computer Systems	
ENGL1312 Report Writing	3
Major Requirements	21
FIRE 1301 Fundamentals of Fire Protection	3
FIRE 2301 Fire and Arson Investigation	
FIRE 2302 Building Codes and Construction	3
FIRE 2303 Fire Administration	3
FIRE 2306 Hazardous Materials	3
FIRE 2307 Fire Safety Education	3
FIRE 2316 Fire Ground Command	3
Related Requirements	Ω
EMED 1301 Clinical Practicum	
EMED 1501 Emergency Care of the Sick and Injured	5
Total Semester Hours	30
Loyal I Fire Drayantian and Arean Investigation	
Level I Fire Prevention and Arson Investigation	Samuetar Um
	Semester Hr
General Education Requirements	6
General Education Requirements	6
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing	6 3 3
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing	6 3 3
General Education Requirements	
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing Major Requirements CRIJ 1301 Introduction to Criminal Justice CRIJ 1306 The Courts and Criminal Procedure	
General Education Requirements	
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing Major Requirements CRIJ 1301 Introduction to Criminal Justice CRIJ 1306 The Courts and Criminal Procedure CRIJ 2314 Criminal Investigation CRIJ 2370 Physical Evidence and Investigation Techniques	
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing Major Requirements CRIJ 1301 Introduction to Criminal Justice CRIJ 1306 The Courts and Criminal Procedure CRIJ 2314 Criminal Investigation CRIJ 2370 Physical Evidence and Investigation Techniques FIRE 1301 Fundamentals of Fire Protection	
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing Major Requirements CRIJ 1301 Introduction to Criminal Justice CRIJ 1306 The Courts and Criminal Procedure CRIJ 2314 Criminal Investigation CRIJ 2370 Physical Evidence and Investigation Techniques FIRE 1301 Fundamentals of Fire Protection FIRE 1305 Fire Prevention	
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing Major Requirements CRIJ 1301 Introduction to Criminal Justice CRIJ 1306 The Courts and Criminal Procedure CRIJ 2314 Criminal Investigation CRIJ 2370 Physical Evidence and Investigation Techniques FIRE 1301 Fundamentals of Fire Protection FIRE 2301 Fire and Arson Investigation	
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing Major Requirements CRIJ 1301 Introduction to Criminal Justice CRIJ 1306 The Courts and Criminal Procedure CRIJ 2314 Criminal Investigation CRIJ 2370 Physical Evidence and Investigation Techniques FIRE 1301 Fundamentals of Fire Protection FIRE 2301 Fire and Arson Investigation FIRE 2302 Building Codes and Construction	
General Education Requirements COSC 1301 Introduction to Computer Systems ENGL1312 Report Writing Major Requirements CRIJ 1301 Introduction to Criminal Justice CRIJ 1306 The Courts and Criminal Procedure CRIJ 2314 Criminal Investigation CRIJ 2370 Physical Evidence and Investigation Techniques FIRE 1301 Fundamentals of Fire Protection FIRE 2301 Fire and Arson Investigation	

Level I - Basic Fire Fighter Academy Certificate

The basic course for fire fighters is designed for people interested in pursuing fire technology and fire fighting as a career. The training curriculum mandated by the Texas Commission on Fire Protection Personnel Standards and Education has been equated to three courses — 24 semester hours — in the fire technology curriculum. College credit for three academic courses will be awarded for successful completion of the academy and will be recorded in the registrar's office at Odessa College.

Consultation with the director is required before the student enrolls in the academy because space will be limited. Each student will be interviewed by the OC fire technology department chair, the Odessa Fire Department training chief and at least two of the three fire academy instructors. Upon satisfactory completion of the entire academy, the following credits will be awarded:

		Semester Hi
FIRE 1385	Fire Prevention	3
FIRE 2381	Hazardous Materials	3
FIRE 2382	Fire Safety Education	3
FIRE 2581	Fundamentals of Fire Protection	5
	Fire Hydraulics and Equipment	
FIRE 2583	Fire Fighting Tactics and Strategy	5
	r Hours	

Students must complete the 24 semester hours of academy courses with a minimum grade of "C" in each class.

Fire Technology Courses

FIRE 1301 Fundamentals of Fire Protection

FIRE 1304 Fire Protection Systems

FIRE 1305 Fire Prevention

FIRE 1306 Chemistry for Fire Fighters

FIRE 1385 Fire Prevention

FIRE 2301 Fire and Arson Investigation

FIRE 2302 Building Codes and Construction

FIRE 2303 Fire Administration

FIRE 2306 Hazardous Materials

FIRE 2307 Fire Safety Education

140 FIRE 2310 Fire Hydraulics and Equipment Interprets the laws of mathematics and physics to properties of fluid states, force pressure, and flow velocities. Students will perform basic calculations applying principles of hydraulics to fire fighting problems. Will select technology to evaluate water supply, flow requirements of standpipes, sprinklers, appliances and methods of determining available quantities of water for fire protection purposes. (SCANS 3,6,8,9) Prerequisite: FIRE 1301 or permission of department chair. FIRE 2315 Fire Fighting Tactics and Strategy Participants will cover the essential elements in analyzing the nature of fire and determining the requirements for extinguishment. Will select the correct technology to produce efficient and effective utilization of manpower and equipment. Emphasizes preplanning, study of conflagration phenomena, fire ground organization and problem solving related to decision making and attack strategy and tactics. Includes use of mutual aid and large scale command problems. (SCANS 6,7,8,9) Prerequisite: FIRE 1301 or permission of department chair. FIRE 2316 Fire Ground Command Student will understand and demonstrate, in practice, the techniques for properly managing the fire or emergency scene. Fire scene operations will maintain the initial goal of safety and fire extinguishment. These technologies include assuming command, evaluating the situation, communicating, identifying strategies and developing plans, changes in command and total implementation. Emphasizes all aspects of the incident command system. (SCANS 6,8,9) Prerequisite: None. FIRE 2377 Cooperative Work Experience A capstone course designed to interrelate academic and vocational course lectures and labs with business and industry work experiences. Under supervision of college faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal, interpersonal, and problem solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate. (SCANS 5,7,9,10,11) Prerequisite: Sophomore standing and consent of the department chair. FIRE 2381 Hazardous Materials Student will understand and interpret the different chemical characteristics and behavior of various hazardous materials, including flammable liquids, combustible gases and solids. Emphasizes emergency situations and the most favorable methods of extinguishing, controlling, and handling such substances. (SCANS 6,8,9) Prerequisite: None. FIRE 2382 Fire Safety Education Evaluates the many different physical, chemical, and electrical hazards encountered by fire protection personnel. Student will interpret their relationship to loss of property and/ or life. Presents detailed examination and study of the physical and psychological

FIRE 2581 Fundamentals of Fire Protection

6,7,8,9,11) Prerequisite: None.

Presents history and philosophy of fire protection and reviews statistics of loss of life and property by fire. Introduces and locates the different agencies involved in fire protection. Students will select the proper technology to suppress and extinguish fires.

variables related to the occurrence of casualties. Stresses safety techniques while on the fire ground, at the fire station, and while driving emergency vehicles. (SCANS

Participants will catalog, list, classify, and justify the specific requirements which must be considered in order to gain career employment at the local, state, and national level. Gives overview of the fire protection system including: suppression, arson investigation, fire prevention, hazardous materials, and emergency medical service. Lab fee required. (SCANS 1,2,6,7,8,9) Prerequisite: None.

FIRE 2582 Fire Hydraulics and Equipment

FIRE 2583 Fire Fighting Tactics and Strategy

French (see English and Foreign Languages)

Geography (see Geology, Anthropology and Geography)

Geology, Anthropology and Geography

Faculty: G. Brent McAfee, chair.

Geology

Geology is a study of the Earth, its history, materials, changing life, and the processes that have resulted in its present form. For students who do not wish more than a year of geology, the principal value will be primarily on an increased interest in and understanding of their environment. However, for those majoring in geology, petroleum or civil engineering, and ecological or environmental studies, the first year of geology courses provides necessary background for further study. GEOL 1403 and GEOL 1404 will serve as a required physical and/or natural science for non-science majors at most universities.

Course of Study for Associate in Science Degree

	Semester	HLA
General Education Requirement	58	
CHEM 1311 General Inorganic Chemistry I and		
CHEM 1111 Fundamentals of Chemistry Laboratory I	4	
CHEM 1312 General Inorganic Chemistry II and		
CHEM 1112 Fundamentals of Chemistry Laboratory II	4	
COSC 1415 Introduction to Computer Science		
ENGL 1301 Composition and Rhetoric		

ENGL 1302 Composition and Literature
HIST 1301 U.S. History to 1877
MATH 1348 Analytic Geometry <u>OR</u> higher level math
PHYS 1402 College Physics II <u>OR</u> PHYS 2426 Engineering Physics II4 SPCH 1315 Public Speaking3
Major Requirements
Total Semester Hours70
*PHED 1100 should be the first course taken in physical education.
GEOL 1403 Physical Geology (40.0601.5139)
(3-3)
origin, occurrence, and classification of minerals, rocks, structures and landforms. Laboratory activities involve the students in organizing and processing data related to the classification of minerals and rocks and principles underlying the relationships between topographic maps and geological processes. Lab fee required. (SCANS 6,9) Prerequisite: None.
GEOL 1404 Historical Geology (40.0601.5139)
(3-3)
data related to fossils and their relationship to ancient environments. Students also organize and process data related to the classification of fossils and principles underlying the relationships between lithology, age, structure and geological map interpretation. Lab fee required. (SCANS 6,9) Prerequisite: None.
Anthropology
Anthropology is a comprehensive study of man and his works. The discipline includes human origin and development, variation in physical types, and aspects of human culture such as family patterns and customs, economics, religions, languages, and handicrafts and technology. ANTH 2301 and ANTH 2351 will fulfill social science requirements at many universities.
ANTH 2301 Physical Anthropology (45.0201.5142)
(3-0)
process data related to physical characteristics of modern man and analyze principles underlying the relationships between modern man and prehistoric man. (SCANS 6,9) Prerequisite: GEOL 1403 or consent of the department chair.
ANTH 2351 Cultural Anthropology (45.0201.5142) (3-0)

Geography

Courses in geography are designed to acquaint students with the world and its peoples. Major aspects of both physical and cultural geography are studied in an integrated manner in order to provide a greater understanding of world conditions. GEOG 1301 and GEOG 1302 will fulfill social science requirements at many colleges.

GEOG 1301 Principles of Geography I (45.0701.5142)

GEOG 1302 Principles of Geography II (45.0701.5142)

German (see English and Foreign Languages)

Government (see Social Sciences)

Heating, Ventilation, Air Conditioning Technology

Faculty: James Bates, chair.

Heating, ventilation and air conditioning (HVAC) is one of the fastest growing industries in the world today. Food preparation and storage, personal comfort, medical procedures and industrial processes have been radically changed and improved by refrigeration. At present, the demand for trained personnel has far exceeded the supply and every new phase of the industry creates greater demands.

Course of Study for Associate in Applied Science Degree Heating, Ventilation, Air Conditioning

	Semester Hrs
General Education Requirements	20
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing.	3
GOVT 2301 U.S. and Texas Government	3
MATH 1314 College Algebra OR	
MATH 1371 College Algebra for Business OR	
MATH 1372 Technical College Algebra	3
PHED (any two one-hour activity courses)	2
PSYC 2302 Applied Psychology	
SPCH 1315 Public Speaking <u>OR</u>	
SPCH 1321 Business and Professional Speech	3
Technical Core	16
ELEC 2410 National Electrical Code	
HVAC 1401 Refrigeration Theory	4
MAIN 1402 Plumbing Fundamentals	4
MAIN 2404 Structural Repair	
•	

Major Requirements	30	
ELEC 2404 Electrical Machinery and Controls	4	
HVAC 1400 Basic Control Theory	4	
HVAC 1403 Commercial Refrigeration		
HVAC 1404 Heating	4	
HVAC 1405 Fundamentals of Sheet Metal		ı
HVAC 2302 Air Conditioning Design		
HVAC 2377 Cooperative Work Experience		1
HVAC 2405 Mechanical Code	4	
Total Semester Hours	66	•
Certificate of Technology		1
Heating, Ventilation, Air Conditioning		
Certificates of technology are available in the following job-specific fields. S	ee the	
program chair for course requirements. Level I certificates are TASP-waived.		
Basic HVAC Technician (Level I)		
	emester l	Hrs -
COSC 1301 Introduction to Computer Systems		
HVAC 1400 Basic Control Theory		Ź
HVAC 1401 Refrigeration Theory		
HVAC 1404 Heating	4	
MATH 1314 College Algebra OR MATH 1372 Technical College Algebra O	B	
MATH 1371 College Algebra for Business	3	ï
PSYC 2302 Applied Psychology	2	
Total Semester Hours		9
Sheet Metal Technician (Level I)	21	
Sheet Metal Technician (Level I)	21 Semester I	Hrs _
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 Semester I	Hrs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 Semester I	Hrs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 Semester I 3	Hrs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 Semester I 3	Hrs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 Semester I 3	Hrs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 Semester I 3 3	Hrs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology	21 Semester I 3 4 3 3	H rs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 Semester I 3 4 3 3	Hrs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 Semester I 3 4 3 3	Hrs
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I)	21 Semester I34316	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	3	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I)	3	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I) COSC 1301 Introduction to Computer Systems ELEC 2410 National Electrical Code HVAC 1400 Basic Control Theory	3	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 semester I3316 semester I316	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems	21 semester I3316 semester I316	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I) COSC 1301 Introduction to Computer Systems ELEC 2410 National Electrical Code HVAC 1400 Basic Control Theory HVAC 1401 Refrigeration Theory HVAC 1403 Commercial Refrigeration HVAC 2404 Refrigeration & Air Conditioning System Troubleshooting	21 semester I3316 semester I34444	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I) COSC 1301 Introduction to Computer Systems ELEC 2410 National Electrical Code HVAC 1400 Basic Control Theory HVAC 1401 Refrigeration Theory HVAC 1403 Commercial Refrigeration HVAC 2404 Refrigeration & Air Conditioning System Troubleshooting MAIN 1402 Plumbing Fundamentals	21 semester I3316 semester I44444	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I) COSC 1301 Introduction to Computer Systems ELEC 2410 National Electrical Code HVAC 1400 Basic Control Theory HVAC 1401 Refrigeration Theory HVAC 1403 Commercial Refrigeration HVAC 2404 Refrigeration & Air Conditioning System Troubleshooting MAIN 1402 Plumbing Fundamentals MAIN 2404 Structural Repair	21 semester I3316 semester I444444	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I) COSC 1301 Introduction to Computer Systems ELEC 2410 National Electrical Code HVAC 1400 Basic Control Theory HVAC 1401 Refrigeration Theory HVAC 1403 Commercial Refrigeration HVAC 2404 Refrigeration & Air Conditioning System Troubleshooting MAIN 1402 Plumbing Fundamentals MAIN 2404 Structural Repair MATH 1314 College Algebra OR MATH 1372 Technical College Algebra OR	21 semester I3316 semester I444444	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I) COSC 1301 Introduction to Computer Systems ELEC 2410 National Electrical Code HVAC 1400 Basic Control Theory HVAC 1401 Refrigeration Theory HVAC 1403 Commercial Refrigeration HVAC 2404 Refrigeration & Air Conditioning System Troubleshooting MAIN 1402 Plumbing Fundamentals MAIN 2404 Structural Repair MATH 1314 College Algebra OR MATH 1372 Technical College Algebra OR MATH 1371 College Algebra for Business	21 semester I3316 semester I444444444	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I) COSC 1301 Introduction to Computer Systems ELEC 2410 National Electrical Code HVAC 1400 Basic Control Theory HVAC 1401 Refrigeration Theory HVAC 1403 Commercial Refrigeration HVAC 2404 Refrigeration & Air Conditioning System Troubleshooting MAIN 1402 Plumbing Fundamentals MAIN 2404 Structural Repair MATH 1314 College Algebra OR MATH 1372 Technical College Algebra OR MATH 1371 College Algebra OR Business PSYC 2302 Applied Psychology	21 Semester I	
Sheet Metal Technician (Level I) COSC 1301 Introduction to Computer Systems MATH 1314 College Algebra OR MATH 1371 College Algebra for Business OR MATH 1372 Technical College Algebra HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout HVAC 2302 Air Conditioning Design PSYC 2302 Applied Psychology Total Semester Hours Commercial Refrigeration Maintenance Technician (Level I) COSC 1301 Introduction to Computer Systems ELEC 2410 National Electrical Code HVAC 1400 Basic Control Theory HVAC 1401 Refrigeration Theory HVAC 1403 Commercial Refrigeration HVAC 2404 Refrigeration & Air Conditioning System Troubleshooting MAIN 1402 Plumbing Fundamentals MAIN 2404 Structural Repair MATH 1314 College Algebra OR MATH 1372 Technical College Algebra OR MATH 1371 College Algebra for Business	21 Semester I	

Advanced HVAC Technician (Level II)

COSC 1301 Introduction to Computer St	Semester Hrs
	stems3
ELEC 2410 National Electrical Code	4
MATH 1314 College Algebra OR	
MATH 1371 College Algebra for Busi	ness OR
MATH 1372 Technical College Algeb	ra3
HVAC 1400 Basic Control Theory	4
HVAC 1401 Refrigeration Theory	4
HVAC 1403 Commercial Refrigeration	4
HVAC 1404 Heating	4
HVAC 2202 Air Conditioning Design	3
HVAC 2302 All Conditioning Design	oning Business Operations3
WAC 2305 heingeration and Air Conditi	oning business Operations
	4
	ng4
PSYC 2302 Applied Psychology	3
Total Semester Hours	43
HVAC Shop Manager — Adva	nced Skills Certificate (Level III)
	Semester Hrs
MGMT 1301 Introduction to Managemen	t3
	3
	tions3
MGMT 2306 Human Resource Managen	nent3
Total Semester Hours	
1	
Heating, Ventilation, Air Cond	ditioning Technology Courses
HVAC 1400 Basic Control Theory	
(3-3)	4 hours
Course includes the understanding and in	nterpretation of schematic diagrams and basic
electricity technology and progresses to	electric motors, design and function of starters,
contactors, relays, capacitors, overloads	
contactors, relays, capacitors, overloads	and control circuits applicable to the
refrigeration and air conditioning industry	and control circuits applicable to the Students will perform mathematical
refrigeration and air conditioning industry calculations pertaining to OHMS Law and	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab
refrigeration and air conditioning industry	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401.
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401.
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration on refrigeration machine and its accessories.
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration or refrigeration machine and its accessories.
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration on refrigeration machine and its accessories. Impret charging charts in order to charge proved recovery systems. Students will be
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequise HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration or refrigeration machine and its accessories.
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration on refrigeration machine and its accessories. Impret charging charts in order to charge proved recovery systems. Students will be
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration on refrigeration machine and its accessories. Impret charging charts in order to charge proved recovery systems. Students will be eshooting techniques. (SCANS 1,5,8,9) Lab
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration or refrigeration machine and its accessories. expret charging charts in order to charge proved recovery systems. Students will be eshooting techniques. (SCANS 1,5,8,9) Lab
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration or refrigeration machine and its accessories. Impret charging charts in order to charge proved recovery systems. Students will be eshooting techniques. (SCANS 1,5,8,9) Lab 4 hours reponent technology. Designed for competency
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration or refrigeration machine and its accessories. expret charging charts in order to charge proved recovery systems. Students will be eshooting techniques. (SCANS 1,5,8,9) Lab 4 hours reponent technology. Designed for competency ces, evaporators, compressors, condensers,
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration or refrigeration machine and its accessories. orpret charging charts in order to charge proved recovery systems. Students will be eshooting techniques. (SCANS 1,5,8,9) Lab 4 hours reponent technology. Designed for competency ces, evaporators, compressors, condensers, sizing of walk-in and reach-in boxes and line
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration or refrigeration machine and its accessories. expret charging charts in order to charge proved recovery systems. Students will be eshooting techniques. (SCANS 1,5,8,9) Lab 4 hours reponent technology. Designed for competency ces, evaporators, compressors, condensers,
refrigeration and air conditioning industry calculations pertaining to OHMS Law and fee required. (SCANS 1,3,5,8) Prerequis HVAC 1401 Refrigeration Theory (3-3)	and control circuits applicable to the Students will perform mathematical I learn to deal with customer expectations. Lab ite: None. Corequisite: HVAC 1401. 4 hours heat transfer, behavior of gases, refrigeration or refrigeration machine and its accessories. orpret charging charts in order to charge proved recovery systems. Students will be eshooting techniques. (SCANS 1,5,8,9) Lab 4 hours reponent technology. Designed for competency ces, evaporators, compressors, condensers, sizing of walk-in and reach-in boxes and line

HVAC 1404 Heating (3-3)4 hours Competencies include gas controls, properties of gas and gas piping, gas combustion, burners, troubleshooting, venting of heating systems and electrical strip heat. Presents theories of control and principles of heat pumps, sizing, installing, servicing, troubleshooting, and customer relations. (SCANS 5,8,9) Lab fee required. Prerequisite: None. **HVAC 1405 Fundamentals of Sheet Metal Layout** (3-3)4 hours Competencies include the technology of basic sheet metal, the use of metal tools and calculations using fractions to enable the student to draw and interpret basic sheet metal sketches and construct projects from blueprints. Students will learn to work as a group on projects. (SCANS 1,2,3,8,10) Lab fee required. **HVAC 2302 Air Conditioning Design** Competencies include sizing and selecting air conditioning equipment and designing air distribution systems. Emphasizes estimating loads of residential and commercial applications. Students will learn to interpret blueprints and properly fill out heat load forms. (SCANS 1,3,8) Prerequisite: None. **HVAC 2305 Refrigeration and Air Conditioning Business Operations** (3-0) 3 hours Competencies include the basic understanding of set up and operating procedures of a small HVAC business. Topics include types of ownership, types of loans, accounting, marketing, taxation, cash flow, legal aspects and equipment and material control. (SCANS 3, 7, 10) Prerequisite: None. **HVAC 2377 Cooperative Work Experience** A capstone course designed to interrelate academic and vocational course lectures and labs with business and industry work experiences. Under supervision of college faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal, interpersonal, and problem solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate. (SCANS 5,7,9,10, 11) Prerequisite: Sophomore standing and consent of the department chair. **HVAC 2404 Refrigeration and Air Conditioning System Troubleshooting** (3-3)4 hours Competencies prepare students to troubleshoot refrigeration and air conditioning systems and use of troubleshooting charts as well as dealing with customer's expectations. Emphasizes the mechanical refrigeration system. (SCANS 1,5,7,8,9) Prerequisite: HVAC 1400 and HVAC 1401. **HVAC 2405 Mechanical Code** Presents an overview of all HVAC courses and Electrical systems as related to HVAC theories and concepts with special emphasis on the understanding, interpretation and documentation of the mechanical code and requirements for the state mechanical contractor's license. (SCANS 1,2,7,8) Prerequisite: HVAC 1401 or consent of the department chair. **HVAC 2409 Building Energy Audit Training** (3-3)4 hours Competencies include methods of performing a building energy audit. Students will identify and evaluate available energy conservation options and evaluate differing air conditioning, lighting and refrigeration systems in order to help customers make the best selection. (SCANS 3,5,6,8) Lab fee required. Prerequisite: None.

History (see Social Sciences)

Human Development (see Orientation)

Humanities (see Art and Humanities)

Human Services

Faculty: James Jordan, chair.

Odessa College offers a program in human services (alcohol and drug abuse) for those students who wish to be licensed by the Texas Commission on Alcohol and Drug Ábuse (TCADA) in order to accept employment relating to victims of alcohol and drug abuse. The core curriculum in human services, which meets the requirements of the Texas Commission on Alcohol and Drug Abuse, can lead to an associate in applied science degree or a certificate of completion in human services. The human services program also is approved by the Texas Association of Alcohol and Drug Abuse Counselors (TAADAC).

Course of Study for Associate in Applied Science Degree **Alcohol and Drug Abuse**

	Semester Hrs
General Education Requirements	38
CHLD 1304 The Abused and Neglected Child	3
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
GOVT 2301 U.S. and Texas Government OR	
GOVT 2302 American National Government	3
MATH 1332 Structures of College Mathematics I OR higher level math .	3
*PHED (any two one-hour activity courses)	2
PSYC 2301 Introduction to Psychology	
PSYC 2302 Applied Psychology	3
SOCI 1301 Principles of Sociology	
SOCI 1306 Social Problems	3
SOCI 2301 Sociology of the Family	3
SPCH 1321 Business and Professional Speech	3
Elective	3
Major Requirements	22
HUMS 1301 Introduction to Chemical Dependency	2
HUMS 1302 Issues in Chemical Dependency	3
HUMS 1306 Basic Counseling Skills I	
HUMS 1308 Basic Counseling Skills II	3
HUMS 2310 Special Studies in Chemical Dependency	3
HUMS 2401 Counseling Skills III	4
HUMS 2350 Clinical Practicum	
, 10110 2000 0111001 1 10010011 111111111	
Total Semester Hours	63
*PHED 1100 should be the first course taken in physical education.	

Students who wish only to qualify to take the TCADA licensure or TAADAC certification examination may do so by successfully completing 22 semester hours of human services courses.

Students who wish to transfer to an upper-level institution should check requirements of that institution.

Human Services Certificate Program

This program is designed for the individual who cannot commit to two years in a formalized degree program but wishes to obtain employable skills in the human services field as quickly as possible. Individuals who complete this program secure employment and may continue their studies toward a degree on a part-time basis without having to repeat major or related courses in the degree sequence.

Level I certificates are TASP-waived.

Course of Study for Certificate of Completion Level I - Alcohol and Drug Abuse

	ester Hrs
General Education Requirement	12
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
MATH 1332 Structures of College Mathematics I OR higher level math	3
SPCH 1321 Business and Professional Speech	3
Major Requirements	22
HUMS 1301 Introduction to Chemical Dependency	3
HUMS 1302 Issues in Chemical Dependency	
HUMS 1306 Basic Counseling Skills I	3
HUMS 1308 Basic Counseling Skills II	
HUMS 2310 Special Studies in Chemical Dependency	3
HUMS 2350 Clinical Practicum	3
HUMS 2401 Counseling Skills III	4
•	
Total Semester Hours	34
Human Services Courses	
HUMS 1301 Introduction to Chemical Dependency (3-0)3 h	ours
Presents an overview of chemical dependency, including concepts of addiction, family, and the recovery process. Students will learn the complex interrelations associated with addiction, the value of self-esteem, honesty, and integrity, and resolution involving divergent interests. Written and verbal communications will highlighted as will interpretational skills. (SCANS 5,7,9,10) Prerequisite: None.	the hips problem be
HUMS 1302 issues in Chemical Dependency	
	ours
Presents a detailed study of interpersonal behavior patterns, lifestyles, and soci relationships associated with chemical dependency. Students will acquire and technical information pertaining to all major drug groups and be able to relate th information using didactic methods. Responsibility, self-esteem, integrity and howill be re-emphasized. (SCANS 5,6,10,11) Prerequisite: None.	evaluate is
HUMS 1306 Basic Counseling Skills I	
(3-0)	hers

HUMS 1308 Basic Counseling Skills II

HUMS 2310 Special Studies in Chemical Dependency

HUMS 2350 Clinical Practicum

HUMS 2401 Counseling Skills III

Latin (see English and Foreign Languages)

Law Enforcement/Criminal Justice

Faculty: Sidney Lyle, chair; Annie Littlefield, paraprofessional; Jim McKown, Geoffrey Schwende.

The field of law enforcement/criminal justice presents a challenging field of study for people interested in public service. The ever increasing problem of crime, as well as continued population growth provides many opportunities to those who have prepared themselves through education and training. This program offers students the opportunity to attend an approved Texas peace officer academy and meet the requirements of licensure to be a Texas law enforcement officer. It also provides an avenue to obtain an associate in applied science degree in law enforcement/criminal justice. The associate degree program consists of both law enforcement and academic courses. It serves as the first two years of study for the baccalaureate degree in criminal justice or law enforcement in many senior colleges and universities.

Those students who are enrolled in the academic program and who wish to be licensed must first complete the designated seven transfer courses. The student may then enroll in the academy and complete that portion of the academy that the Texas Commission on Law Enforcement Officer Standards and Education has designated as the Texas peace officer sequence courses. These courses will be offered as open entry credit courses and are a part of the basic academy requirements. For further information, contact the department chair.

Course of Study for Associate in Applied Science Degrees Law Enforcement/Criminal Justice Option

Semester Hrs General Education Requirements17 *COSC 1301 Introduction to Computer Systems3 ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing......3 GOVT 2301 U.S. and Texas Government OR GOVT 2302 American National Government3 MATH 1332 Structures of College Mathematics I OR MATH 1372 Technical College Algebra or higher level math3 **PHED (any two one-hour activity courses)2 SPCH 1315 Public Speaking OR SPCH 1321 Business and Professional Speech3 Related Requirements3 OFST 1321 Beginning Keyboarding OR OFST 1322 Intermediate Keyboarding OR OFST 1404 Beginning Word Processing3 Major Requirements36 *CRIJ 1301 Introduction to Criminal Justice......3 *CRIJ 1307 Crime In America3 CRIJ 1310 Fundamentals of Criminal Law3 CRIJ 1318 Patrol Administration3 CRIJ 1322 Traffic Law......3 CRIJ 2314 Criminal Investigation3 *CRIJ 2320 County Corrections3 CRIJ 2323 Legal Aspects of Law Enforcement3 CRIJ 2328 Police Systems and Practices CRIJ 2331 Traffic Management and Supervision3

AND any nine hours selected from the following pool of courses	
CRIJ 1321 Probation and Parole	
CRIJ 2322 Juvenile Procedures	
CRIJ 2325 Correction Systems and Practices	
CRIJ 2330 Community Corrections and Rehabilitation	
CRIJ 2370 Physical Evidence & Investigation Techniques	
CRIJ 2374 Fundamentals of Interviewing	
CRIJ 2471 Firearms Proficiency	
CRIJ 2572 Introduction to Pre-Trial Release Services	!
CRIJ 2578 Human Behavior Patterns	
PSYC 2302 Applied Psychology	
SPAN 1411 First Year Spanish I	
errar i i i i i i i i i i i i i i i i i i	•••••••

**PHED 1100 should be the first course taken in physical education. PHED 1118 and PHED 1119 are recommended for those individuals pursuing a career as a peace officer. Those students attending the law enforcement academy may substitute the Texas peace officer sequence courses, CRIJ 2475 and CRIJ 2476 for CRIJ 1310 and CRIJ 2471.

Total Semester Hours65

"Denotes courses which may be articulated from high school based on articulation agreements between Odessa College and an independent school district. Non-tech-prep students who desire to enroll in the program at Odessa College must complete these courses along with other leveling or bridge courses as indicated by assessment results and educational background.

Students must complete 65 hours as approved by the department chair to meet degree requirements. Any variance from prerequisites or any substitution of courses must have prior, written approval.

Texas accrediting agencies have designated seven law enforcement courses as transfer courses creditable and transferable toward any law enforcement/criminal justice degree offered in Texas. Those courses are as follows: CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323 and CRIJ 2328. Students should receive written confirmation from the college or university to which they intend to transfer regarding the scope and extent of acceptance of these courses.

Law Enforcement/Corrections Option Semester Hrs General Education Requirements17 GOVT 2301 U.S. and Texas Government OR GOVT 2302 American National Government3 MATH 1332 Structures of College Mathematics I OR **PHED (any two one-hour activity courses)2 Related Requirements3 OFST 1321 Beginning Keyboarding OR OFST 1322 Intermediate Keyboarding OR OFST 1404 Beginning Word Processing3 *CRIJ 1301 Introduction to Criminal Justice......3 CRIJ 1306 The Courts and Criminal Procedure3 *CRIJ 1307 Crime In America3 CRIJ 1310 Fundamentals of Criminal Law3 CRIJ 1321 Probation and Parole3 CRIJ 1379 Law Enforcement Telecommunications3

*CRIJ 2320 County Corrections	3
CRIJ 2322 Juvenile Procedures	
CRIJ 2323 Legal Aspects of Law Enforcement	3
CRIJ 2325 Correction Systems and Practice	3
CRIJ 2330 Community Correction and Rehabilitation	
AND any nine hours selected from the following pool of courses	9
CRIJ 1318 Patrol Administration	3
CRLI 1322 Traffic Law	3
CRIJ 1390 Armed Private Security Investigator	3
CRIJ 2328 Police Systems and Practice	3
CRIJ 2331 Traffic Management and Supervision	3
CRIJ 2370 Physical Evidence and Investigation Techniques	3
CRIJ 2374 Fundamentals of Interviewing	3
CRIJ 2385 Spanish for Law Enforcement and Emergency Workers	4
CRIJ 2471 Firearms Proficiency	4
CRIJ 2572 Introduction to Pre-Trial Release Services	5
CRIJ 2578 Human Behavior Patterns	5
PSYC 2302 Applied Psychology	3
SPAN 1411 First Year Spanish I	
3FAN 1711 Filst 1801 Spallish 1	
Total Semester Hours	65

**PHED 1100 should be the first course taken in physical education. PHED 1118 and PHED 1119 are recommended for those individuals pursuing a career as a peace officer. Those students attending the law enforcement academy may substitute the Texas peace officer sequence courses, CRIJ 2475 and CRIJ 2476 for CRIJ 1310 and CRIJ 2471.

*Denotes courses which may be articulated from high school based on articulation agreements between Odessa College and an independent school district. Non-tech-prep students who desire to enroll in the program at Odessa College must complete these courses along with other leveling or bridge courses as indicated by assessment results and educational background.

Students must complete 65 hours as approved by the department chair to meet degree requirements. Any variance from prerequisites or any substitution of courses must have prior, written approval.

Texas accrediting agencies have designated seven law enforcement courses as transfer courses creditable and transferable toward any law enforcement/criminal justice degree offered in Texas. Those courses are as follows: CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323 and CRIJ 2328. Students should receive written confirmation from the college or university to which they intend to transfer regarding the scope and extent of acceptance of these courses.

Certificate of Completion in Law Enforcement

Level I certificates are TASP-waived.

Level I - County Correctional Officer

	Semester n
General Education Requirements	6
*COSC 1301 Introduction to Computer Systems	3
*OFST 1321 Beginning Keyboarding OR	
*OFST 1322 Intermediate Keyboarding OR	
*OFST 1404 Beginning Word Processing	3
Major Requirements	9
*CRIJ 1301 Introduction to Criminal Justice	3
*CRIJ 1307 Crime In America	3
*CRIJ 2320 County Corrections	
Total Semester Hours	15

Level I - State Prison Guard

This is a basic program for persons interested in a career as a correctional officer (state prison guard). The following certificate contains the training curriculum segments mandated by the Texas Department of Criminal Justice, Institutional Division (TDCJ-ID).

	Semester Hrs
*COSC 1301 Introduction to Computer Systems	
*OFST 1321 Beginning Keyboarding OR	3
*OFST 1322 Intermediate Keyboarding OR	
*OFST 1404 Beginning Word Processing	3
Major Requirements	9
CRIJ 1371 Correctional Officer Theory and Technique	3
CRIJ 1372 Correctional Officer Procedure	3
CRIJ 1373 Correctional Officer Skills	3
Total Semester Hours	15
Prior to admission to the correctional officer program, applicants must be ap TDCJ-ID which will include the following qualifications:	proved by the
1. Be at least 18 years of age.	
2. Be a high school graduate or possess a state GED.	
Complete the TDCJ application with all attachments.	
4. Pass the TDCJ entrance examination.	
5. Pass the pre-employment interview.	
Pass a background check.	

Level I - Emergency Telecommunications/Dispatcher

	Semester Hrs
General Education Requirements	12
*COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	3
*OFST 1321 Beginning Keyboarding OR	
*OFST 1322 Intermediate Keyboarding OR	
*OFST 1404 Beginning Word Processing	3
SPCH 1315 Public Speaking OR	
SPCH 1321 Business and Professional Speaking	3
Major Requirements	21
*CRIJ 1301 Introduction to Criminal Justice	
CRIJ 1306 The Courts and Criminal Procedure	3
*CRIJ 1307 Crime In America	3
CRIJ 1310 Fundamentals of Criminal Law	3
CRIJ 1379 Law Enforcement Telecommunications	3
CRIJ 2314 Criminal Investigation	
*CRIJ 2320 County Corrections	3
Total Semester Hours	33

*Denotes courses which may be articulated from high school based on articulation agreements between Odessa College and an independent school district. Non-tech-prep students who desire to enroll in the program at Odessa College must complete these courses along with other leveling or bridge courses as indicated by assessment results and educational background.

Odessa College Basic Law Enforcement Academy Certificate (Level I)

The basic academy for peace officers is designed for persons interested in obtaining a peace officer's license and pursuing law enforcement as a career. The training curriculum segments mandated by the Texas Commission on Law Enforcement Officer Standards and Education (TCLEOSE) have been equated to nine courses (30 semester hours) in the law enforcement curriculum. College credit for the nine academic courses will be awarded for successful completion of the academy and will be recorded in the registrar's office at Odessa College.

Prior to admission to the academy program, applicants must complete the following:

- 1. ASSET Test, and
- 2. A swom personal history statement with all required attachments.

Individuals may enroll only in the peace officer sequence (CRIJ 2474, CRIJ 2475 and CRIJ 2476) if they can first show proof of having successfully completed the seven transfer courses.

Upon satisfactory completion of the entire academy, the following credits will be awarded:

	Semester Hi
CRIJ 1301 Introduction to Criminal Justice	
CRIJ 1306 The Courts and Criminal Procedure	3
CRIJ 1322 Traffic Law	3
CRIJ 2314 Criminal Investigation	3
CRIJ 2323 Legal Aspects of Law Enforcement	
CRIJ 2374 Fundamentals of Interviewing	3
CRIJ 2474 Texas Peace Officer Law	4
CRIJ 2475 Texas Peace Officer Procedures	4
CRIJ 2476 Texas Peace Officer Skills	4
Total Semester Hours	30

Certificates of Completion in Law Enforcement Advanced Skills Level III - Texas Peace Officer

	Semester Hrs	
Major Requirements	12	
CRIJ 2474 Texas Peace Officer Law	4	
CRIJ 2475 Texas Peace Officer Procedures	4	
CRIJ 2476 Texas Peace Officer Skills	4	
Total Competer Hours	40	

All persons who apply for a peace officer's position with any law enforcement agency in Texas must first have completed all mandated training and education prior to being employed. The two methods of achieving Texas peace officer licensure are as follows:

- Successful completion of that portion of the academy designated as CRIJ 2474, CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) OR
- 2. Successful completion of the law enforcement academy.

Upon successful completion of either method, students will be awarded an advanced skills level III - Texas peace officer certificate from Odessa College and will be eligible to apply for peace officer licensure.

Level III - Texas Peace Officer Advanced Skills

			Semester	
Ma	ior Requirem	ents	8	
	CRIJ 2183	Use of Force	1	
}		Arrest, Search and Seizure		
		Child Abuse Recognition		
	CRIJ 2281	Crime Scene Search	2	
	CRIJ 2282	Advanced Texas Peace Officer Skills	2	
To	tal Semester	Hours	8	

Law Enforcement/Criminal Justice Courses

CRIJ 1301 Introduction to Criminal Justice

CRIJ 1306 The Courts and Criminal Procedure

CRIJ 1307 Crime in America

CRIJ 1310 Fundamentals of Criminal Law

CRU 1318 Patrol Administration

CRIJ 1321 Probation and Parole

CRIJ 1322 Traffic Law

CRIJ 1371 Correctional Officer Theory and Technique

CRIJ 1372 Correctional Officer Procedure

CRIJ 1373 Correctional Officer Skills

CRIJ 1379 Law Enforcement Telecommunications

CRIJ 1390 Armed Private Security/Investigator

CRIJ 2183 Use of Force

CRIJ 2184 Arrest, Search and Seizure

CRIJ 2280 Child Abuse Recognition

CRIJ 2281 Crime Scene Search

CRLJ 2282 Advanced Texas Peace Officer Skills

CRIJ 2314 Criminal Investigation

CRIJ 2320 County Corrections (Jail Operation & Management)

CRIJ 2322 Juvenile Procedures

CRIJ 2323 Legal Aspects of Law Enforcement

CRIJ 2325 Correctional Systems and Practice

CRIJ 2328 Police Systems and Practices

CRU 2330 Community Correction and Rehabilitation

CRIJ 2331 Traffic Management and Supervision

CRIJ 2370 Physical Evidence and Investigation Techniques

CRIJ 2374 Fundamentals of Interviewing

CRLJ 2385 Spanish for Law Enforcement and Emergency Workers Provides a working knowledge of the Spanish phrases needed in basic emergency and interactive contexts for law enforcement, fire and emergency medical workers. Students discuss critical issues and apply newly acquired communication skills in simulated emergency situations. (SCANS 1,6,9,11) Prerequisite: None. **CRIJ 2471 Firearms Proficiency** Students will become proficient in the use of the handgun and shotgun. Safety procedures and liability risks will be integrated into skills application. Students will learn how to disassemble and make minor adjustments to the weapon. Live firing on the range is required. Proper method of cleaning the weapons will be stressed. Lab fee required. Lab fee does not include ammunition. (SCANS 6,7,8,11) Prerequisite: Be a declared CRU major, be enrolled in other CRU courses or consent of the department chair. **CRIJ 2474 Texas Peace Officer Law** (3-3)4 hours A study of laws that are directly related to police field work including traffic law. intoxicated drivers, penal codes, elements of crime, the family code, alcoholic beverage code, and civil liability. (SCANS 6,7,9,10,11) Prerequisite: Approval by department faculty. (Course restricted to law enforcement academy students). CRIJ 2475 Texas Peace Officer Procedures A study of the techniques and procedures used by police officers on patrol including controlled substance identification, handling abnormal persons, traffic collision, traffic direction, crowd control and jail operations. Lab fee required. (SCANS 2,5,6,7,9,10,11) Prerequisite: Approval by department faculty. (Course restricted to law enforcement academy students). **CRIJ 2476 Texas Peace Officer Skills** (3-2)4 hours Demonstration and practice of the skills expected of a law enforcement officer including patrol, traffic stops, use of force, mechanics of arrest, firearms safety and emergency medical care. Lab fee required. (SCANS 6,7,9,10,11) Prerequisite: Approval by department faculty. (Course restricted to law enforcement academy students). CRU 2572 Introduction to Pre-Trial Release Services Fundamentals of pre-trail release will require the student to become familiar with the different kinds of bonding available to persons charged with certain alleged crimes. Students will demonstrate a working knowledge of the techniques, reports, and justifications for decisions which the student will make to the presiding judge concerning personal recognizance release. (SCANS 6,7,11) Prerequisite: Sophomore level, third semester in law enforcement/criminal justice or a related field and consent of the department chair. Corequisite: CRIJ 2374. **CRIJ 2578 Human Behavior Patterns** (3-5)5 hours Presents the dynamics of human behavior as it affects criminal activity. Students will list, catalog and be able to explain biological factors, the mentally disordered offender, human aggression and violence, juvenile delinquency and motives behind some types of behaviors and crimes. Students will be required to participate in lab time in a criminal justice agency. Lab is designed to provide students with an opportunity to apply academic training in practical situations. (SCANS 6,7,9,10,11) Prerequisite: CRIJ 2572,

CRIJ 2374 or consent of the department chair.

Legal Assistant

Faculty: Nancy Stewart, chair

The legal assistant curriculum was developed to qualify men and women for positions as assistants or aides to the legal profession, and to upgrade the qualifications of legal support personnel. Upon completion of this curriculum, the legal assistant graduate will qualify to work under the supervision of a lawyer and may perform such duties as case screening, investigation and evaluation, detail work pertaining to probate matters, income tax returns, searching public records and court files, office management, accounting, library service, preparation of legal memoranda, servicing and filing of legal documents and preparing legal forms.

Course of Study for Associate in Arts Degree Legal Assistant

Legal Assistant	
	Semester Hrs
General Education Requirements	
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	
ENGL any sophomore-level literature	6
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
MATH (six hours) OR	
Foreign Language (six to eight hours; Spanish preferred)	6
**PHED (any two one-hour activity courses)	
SPCH 1321 Business and Professional Speech	3
Major Requirements	12
LEGL 1301 Introduction to Legal Writing	3
LEGL 1302 Introduction to Paralegalism	3
LEGL 2301 Legal Drafting and Office Procedures	3
LEGL 2302 Legal Research	
AND Any 18 hours selected from the following pool of courses	10
LEGL 1304 Principles of Family Law	
LEGL 1305 Introduction to Civil Litigation	,
LEGL 2311 Wills, Trusts, and Probate Administration	
LEGL 2312 Torts, Insurance, and Claims Investigation	
LEGL 2316 Technique of Litigation Practice/Procedure	
LEGL 2317 Administrative Law I	3
LEGL 2318 Administrative Law II	
Total Semester Hours	
**PHED 1100 should be the first course taken in physical education.	

Certificate of Completion

Level I certificates are TASP-waived.

Level I - Legal Assistant

	Semester r
General Education Requirements	6
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric	

Major Requirements12			
LEGL 1301 Introduction to Legal Writing3			
LEGL 1302 Introduction to Paralegalism3			
LEGL 2301 Legal Drafting and Office Procedure3			
LEGL 2302 Legal Research			
·			
Total Semester Hours21			
Level II - Advanced Legal Assistant			
Semester Hrs			
General Education Requirements12			
COSC 1301 Introduction to Computer Systems			
ENGL 1301 Composition and Enerone			
SPCH 1321 Business and Professional Speech			
•			
Major Requirements			
LEGL 1302 Introduction to Paralegalism3			
LEGL 1304 Principles of Family Law3			
LEGL 1305 Introduction to Civil Litigation3			
LEGL 2301 Legal Drafting and Office Practice3			
LEGL 2302 Legal Research			
LEGE 2311 Wills, Trusts and Probate Administration			
LEGL 2316 Techniques of Litigation Practice/Procedures			
LEGL 2317 Administrative Law I			
LEGL 2318 Administrative Law II3			
LEGL 2377 Cooperative Work Experience3			
Total Semester Hours48			
National Association of Legal Assistants (NALA) —Upon completion of the associate of arts degree or certificate program, students become eligible to take the NALA Certified Legal Assistant Examination (CLA). Full-time students and/or those taking legal assistant courses may qualify for student membership in the national organization.			
Legal Assistant Courses			
LEGL 1301 Introduction to Legal Writing			
(3-0)			
LEGL 1302 Introduction to Paralegalism			
(3-0)			
investigation, screening, and evaluation. (SCANS 5,6,9,10,11) Prerequisite: None.			
LEGL 1304 Principles of Family Law (3-0)			
The student will study the substantive law of relationships between spouses and between parents and children. The student will learn the law regarding divorce, separations, custody, legitimacy, adoption, guardianship, support and related court procedures. The student will focus on the Texas law of community property. (SCANS 6,7,9) Prerequisite: None.			

LEGL 1305 Introduction to Civil Litigation The student will become familiar with the rules of evidence and will study the litigation process in detail. The student will learn Texas and federal procedures for instituting trial cases, discovery, pre-trial motions, motions after judgment and appeals to higher courts. (SCANS 4,6,9,10,11) Prerequisite: None. LEGL 2301 Legal Drafting and Office Procedure The student will apply the knowledge gained in previous courses and will prepare documents and maintain files of hypothetical cases. Projects will be drawn from the following areas: Real estate law, family law, contracts, secured transactions, corporations, partnerships, oil and gas law, probate, and administrative law. (SCANS2) Prerequisite: LEGL 1302 (may be taken concurrently) LEGL 1305 and LEGL 2302. EGL 2302 Legal Research Upon completion of this course, the student will have a working knowledge of the operation of a law library and legal research techniques. The student will learn the methodology of legal research using legal encyclopedias, case digests, case reporters and annotated statutes. The student will be able to solve specific legal problems by the use of research techniques. (SCANS 4.6.7) Prerequisite: None. LEGL 2311 Wills, Trusts, and Probate Administration The student will become familiar with the more common forms of will and trust and the law applicable to each. The student will learn to prepare probate documents and will learn to draft related documents. (SCANS 2,6,7) Prerequisite: None. LEGL 2312 Torts, Insurance, and Claims Investigation The student will learn the fundamental principles of personal injury and insurance law. The student will become familiar with investigative procedures and will learn to draft related documents. (SCANS 2,6,7) Prerequisite: None. LEGL 2316 Technique of Litigation Practice/Procedure Students will apply the knowledge used in other courses to draft documents and maintain files in a hypothetical court action. The student will draft pleadings, discovery documents, pre-trial motions. The student will organize litigation documents and create and maintain a system of docket control and billing. (SCANS 2,7) Prerequisite: LEGL 1305. EGL 2317 Administrative Law I The student will become familiar with the creation and operations of state and federal administrative agencies. The administrative Procedure Act and the Texas Government Code will be studied in detail. The following substantive law areas, as they relate to administrative law, will also be discussed: Environmental regulation. consumer protection, oil and gas regulation, antitrust, and income tax regulation. (SCANS 6,7) Prerequisite: LEGL 1305. LEGL 2318 Administrative Law II The student will become familiar with the operation of administrative agencies in the following areas of law: worker's compensation, job safety, labor law, employment discrimination, and Social Security. The regulations of state and federal agencies will

be studied in detail. (SCANS 6,7) Prerequisite: LEGL 1305 and 2317.

Machine Technology (see Metal Trades Technology)

Maintenance Technology

Faculty: James Bates, chair; Danny Bailey.

The maintenance technology program is designed to train maintenance workers for general maintenance duties. Opportunities for skilled maintenance workers exist in virtually every segment of society. Facility maintenance includes schools, public and private buildings, apartment complexes and condominiums.

Course of Study for Associate in Applied Science Degree Maintenance Technology

	Semester H
General Education Requirements	20
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government	
MATH 1314 College Algebra OR	•
MATH 1371 College Algebra for Business OR	
MATH 1372 Technical College Algebra	3
PHED (any two one-hour activity courses)	
PSYC 2302 Applied Psychology	
SPCH 1315 Public Speaking <u>OR</u>	
SPCH 1321 Business and Professional Speech	a
•	
Technical Core	16
ELEC 2410 National Electrical Code	
MAIN 1402 Plumbing Fundamentals	4
MAIN 2404 Structural Repair	4
HVAC 1401 Refrigeration Theory	4
General Maintenance	27
BLDG 1602 Carpentry I	
BLDG 1604 Carpentry II	6
HVAC 1404 Heating	4
MAIN 2377 Cooperative Work Experience	3
ELEC 1401 D.C. Circuits	4
WELD 1401 General Welding	
Total Semester Hours	

Maintenance Technology Courses

MAIN 1402 Plumbing Fundamentals

	10
MA	IN 2377 Cooperative Work Experience
	(1-20)
Ţ	Sophomore standing and consent of department chair.
MA	IN 2404 Structural Repair
	(3-3)
	proposal writing, job cost estimation, negotiating with subcontractors, organizing and scheduling work, and construction troubleshooting are covered. (SCANS 1,2,3,4,9,10) Lab fee required. Prerequisite: None.
Bu	ilding Courses (See Building Trades)
Ele	ectronics Courses (See Electronics Technology)

HVAC Courses (See Heating, Ventilation, and Air Conditioning)

degree.

Management/Tech Prep

Faculty: Robert Munoz, chair; Connie Nichols

The primary objective of the management program is to prepare each student for full-time employment in supervision. Students not only gain the knowledge of the science of management, but also learn the art of management through class participation, group projects and situational simulations. Students gain insight and knowledge regarding the interpersonal skills required to be successful in today's ever changing marketplace.

The management program is not intended to serve as preparatory work toward a baccalaureate degree. Students planning to pursue a four-year degree should consult the upper-level institution or senior college of their choice regarding transferability of courses.

Students can earn an associate in applied science degree in management or can opt for one of four certificates of technology including general management, marketing, small business and industrial supervision.

Course of Study for Associate in Applied Science Degree Management

S	Semester Hr
General Education Requirements	23
ACCT 1370 Introduction to College Accounting	3
BCIS 1401 Introduction to Computer Information Systems OR	
COSC 1301 Introduction to Computer Systems	3
ECON 2301 Principles of Economics I (Macro) OR	
ECON 2302 Principles of Economics II (Micro)	
ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	
GOVT 2301 U.S. and Texas Government	3
MATH 1324 Mathematical Analysis for Business I OR	
any other college-level mathematics	
*PHED (any two one-hour activity courses)	2
SPCH 1321 Business & Professional Speech	3
Major Requirements for All Management Majors	30
MGMT 1301 Introduction to Management	3
MGMT 1302 Managerial Functions	3
MGMT 1321 Principles of Marketing	3
MGMT 2300 Management Issues	
MGMT 2301 Management Skills Development	
MGMT 2302 Leadership	3
MGMT 2304 Personnel and Human Relations	3
MGMT 2306 Human Resource Management	3
MGMT 2365 Introduction to Business Logistics	3
MGMT 2377 Cooperative Work Experience	
MGMT (Approved management electives)	12
Total Semester Hours	65
*PHED 1100 should be the first course taken in physical education.	

A certificate of technology may be earned by those who do not wish to pursue an associate

Certificates of Technology - General Management

Level I certificates are TASP-waived.

	20701. 001 Middle 0 17101 77101.	
	Level I - General Management Option	
	Semester Communication to Communication Comm	Hr
-	BCIS 1401 Introduction to Computer Information Systems OR	_
	COSC 1301 Introduction to Computer Systems	.3
	ENGL 1312 Report WritingMGMT 1301 Introduction to Management	.3
3	MGMT 1301 Introduction to management	.3
J	MGMT 1302 Managerial Functions	.ა
	MGMT 2300 Management Issues	.ა
9.	MGMT 2302 Leadership	.ა
N. C.	MGMT 2304 Personnel and Human Relations	. J
-	MGMT 2306 Human Resource Management	
	MGMT 2377 Cooperative Work Experience	. 3
Ta	tal Semester Hours	
•)
•	<u>Levei I - Marketing Option</u> Semester	Llan
	BCIS 1401 Introduction to Computer Information Systems OR	пи
	COSC 1301 Introduction to Computer Systems	-4
,	ENGL 1312 Report Writing	
	MGMT 1321 Principles of Marketing	.3
	MGMT 1323 Principles of Personal Selling	
	MGMT 1331 Principles of Retailing	.3
	MGMT 2303 Introduction to Public Relations	.3
	MGMT 2305 Internationalization of Business	.3
7,	MGMT 2320 Marketing Issues	.3
	MGMT 2322 Marketing Management	.3
	MGMT 2377 Cooperative Work Experience	.3
To	tal Semester Hours3	30
	Level I - Small Business Option	
	Semester	Hrs
	ACCT 1370 Introduction to College Accounting	.3
7	MGMT 1301 Introduction to Management	.3
	MGMT 1302 Managerial Functions	
	MGMT 1321 Principles of Marketing	
	MGMT 2322 Marketing Management	
	MGMT 2325 Effective Advertising	.3
ĺ	MGMT 2331 Introduction to Small Business Management	
•	MGMT 2332 Entrepreneurship	
	MGMT 2335 Entrepreneurial Issues	
j	MGMT 2377 Cooperative Work Experience	
To	tal Semester Hours3	1 0
•	Level I - Certificate of Technology - Industrial Supervision	
	Semester	Hre
	BCIS 1401 Introduction to Computer Information Systems OR	, 11 2
•	COSC 1301 Introduction to Computer Systems3-	-4
	ENGL 1312 Report Writing	
ì	MGMT 1301 Introduction to Management	.3
	MGMT 1302 Managerial Functions	.3
_	MGMT 1361 Principles of Production Supervision	.3

MGMT 1362 Industrial Safety	
Total Semester Hours30	
Level III - Management Advanced Skills Certificate Semester Hrs	1
ENGL 2311 Technical and Report Writing	
Total Semester Hours9	-
Management Courses	
MGMT 1301 Introduction to Management	
(3-0)	
MGMT 1302 Managerial Functions	1
(3-0)	
MGMT 1321 Principles of Marketing	
(3-0)	
MGMT 1323 Principles of Personal Selling	_
(3-0)	
exercises. Provides opportunities for practicing these techniques under realistic conditions. (SCANS 5,6,9,11) Prerequisite: None.	
MGMT 1331 Principles of Retailing	e.S
(3-0)	in the second
and ethical issues, site location, store design, selecting appropriate technology to handle and secure merchandise and establishing pricing policies. (SCANS 3,6,8,9,10) Prerequisite: None.	

MGMT 1361 Principles of Production Supervision Introduces fundamental concepts of production management. Emphasizes formulation and evaluation of objectives, and the developments of a systems approach to monitor performance. Students will develop problem-solving and decision-making skills based on the use of available resources to meet customer and organizational production needs. (SCANS 4,5,6,7,9) Prerequisite: None. MGMT 1362 Industrial Safety Introduces principles and practices of safety management. Students will acquire knowledge of the legal requirements of the Occupational Safety and Health Act. Includes basic concepts and methods of administering, developing, communicating and teaching of safety programs to meet organizational needs. (SCANS 5,6,9,11) Prerequisite: None. MGMT 1371 introduction to Purchasing Management Presents practices underlying sound procurement of materials, parts, supplies and equipment to conduct a business. Emphasizes meaning, scope, organization and principles of purchasing procedure in relation to business and customer needs while working within legal and ethical aspects of the purchasing function. (SCANS 4.5.9.10.11) Prerequisite: None. MGMT 2190 Advanced Management Topics (1-0) 1 hour A directed study of research in selected topic areas of concern for today's managers. Designed to meet the needs of the business and industrial community. Students will interact in group settings and compile data presented in both written and oral form. (SCANS 2,4,5,6,9,11) Prerequisite: Consent of the department chair. MGMT 2290 Contemporary Topics for Managers A directed study of research in selected topic areas of concern for today's managers. Designed to meet the needs of the business and industrial community. Students will interact in group settings and compile data presented in both written and oral form. (SCANS 2,4,5,6,9,11) Prerequisite: Consent of the department chair. **MGMT 2300 Management Issues** Presents current issues of particular interest to those preparing for supervisory positions in today's work force. Emphasis will be on competencies associated with present managerial concerns. Students will research and analyze information and, through the use of group discussion and other forms of participation, will create and present effective solutions to modern management problems/issues. (SCANS 5,6,9,11) Prerequisite: None. MGMT 2301 Management Skills Development (3-0) 3 hours Examines relationship between management principles and specific functions of management. Presents case studies and projects which will require students to interpret and create responses to various areas of management study: including situational leadership, creativity and innovation; problem solving and decision making using computer simulations. (SCANS 5,6,8,9) Prerequisite: None. MGMT 2302 Leadership Explores the concept of leadership and its relationship to management. Through the use of case studies, group interaction and simulations, students will focus on leadership skills needed to inspire and influence others in the organization. (SCANS 5,7,9) Prerequisite: MGMT 1301 or consent of department chair.

MGMT 2303 Introduction to Public Relations Introduces techniques of public relations applied to supervisory and management positions. Emphasizes customer relations. Gives attention to programming a total public relations effort and selecting strategy, media and persuasive devices that accomplish given objectives after having listened to and studied the various constituencies involved. (SCANS 6,9,11) Prerequisite: None. MGMT 2304 Personnel and Human Relations Applies field of human relations to modern business management. Emphasizes the productive management of human resources through effective leadership, decision making and communicating. Explores responsibilities of management in dealing with subordinates one-on-one. (SCANS 5,9,10) Prerequisite: None. **MGMT 2305 Internationalization of Business** (3-0)3 hours Introduces theory and practice in international business. Emphasizes the creation of appropriate systems for maintaining and controlling the flow of goods, people, information and funds for commercial purpose within and among international sovereignties. Stresses the decision-making process. (SCANS 4,5,6,7,9) Prerequisite: Completion of six hours of MGMT courses or consent of department chair. MGMT 2306 Human Resources Management Principles and practice in personnel relations, including topics such as recruiting, training, wage and salary administration, manpower planning and legal issues facing supervisors. (SCANS 4,5,6,7,11) Prerequisite: MGMT 1301 or consent of department chair. **MGMT 2320 Marketing Issues** Presents current issues of particular interest to those preparing for positions in today's changing marketplace. Emphasis will be on competencies associated with present marketing concerns. Students will research and analyze information and, through the use of group discussion and through forms of participation, will create and present effective solutions to modern marketing problems/issues. (SCANS 5,6,9,11) Prerequisite: None. **MGMT 2322 Marketing Management** A continuation of MGMT 1321. Emphasizes management of activities associated with marketing and distribution processes and institutions including the allocation of resources for monitoring distribution systems and channels; the creation and delivery of promotional messages and activities; and making decisions regarding various approaches to price determination. (SCANS 3,4,7,9,11) Prerequisite: MGMT 1321. **MGMT 2325 Effective Advertising** Designed to offer an overview of the social, economic and marketing environment for advertising. Examines techniques and skills used to execute effective advertising programs; including information acquisition, resource allocation, delivery system development and budgeting. Emphasizes creativity in decision making and

communicating. (SCANS 2,4,6,7,9,11) Prerequisite: MGMT 1321 or MGMT 1331.

MGMT 2331 Introduction to Small Business Management

MGMT 2332 Entrepreneurship

MGMT 2335 Entrepreneurial Issues

MGMT 2365 Introduction to Business Logistics

MGMT 2377 Cooperative Work Experience

Mass Communication

Faculty: Steve Goff, chair; Tom Hughes.

Mass communication students at Odessa College enroll mainly for three purposes: to prepare for university transfer, to prepare themselves vocationally for a career and to broaden their exposure to the mass media.

Requirements for the associate in arts degree are basically the same as required courses taken during the first two years at senior colleges and universities. However, students are responsible for becoming aware of the particular requirements of the school to which they plan to transfer.

To offer students an opportunity to gain valuable experience while attending college, Odessa College operates a public radio station, KOCV-FM, and a public television station, KOCV-TV. Practicums also help give on-site professional experience to the mass communication student.

Course of Study for Associate in Arts Degree Broadcasting

Semest	
General Education Requirements	46
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	
ENGL (sophomore Level)	6
ENGL (sophomore Level) Foreign Language or Science (six to eight hours in same discipline)	8
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	
HIST 1302 U.S. History from 1877	3
MATH 1314 College Algebra <u>QR</u>	
MATH 1332 Structures of College Mathematics I	
*PHED (any two one-hour activity courses)	2
Philosophy, Psychology Sociology, Anthropology or Economics courses	6
SPCH 1315 Public Speaking OR SPCH 1321 Business and Professional Speech	3
Elective (must be outside major area)	3
Major Requirements	13
(Choose from among the following)	
COMM 1307 Introduction to Mass Communications	3
COMM 1335 Survey of Radio and Television	3
COMM 1336 Television Production	3
COMM 2120 Practicum in Electronic Media	1
COMM 2121 Practicum in Electronic Media	
COMM 2122 Practicum in Electronic Media	
COMM 2220 Practicum in Electronic Media	
COMM 2303 Audio and Radio Production	3
COMM 2324 Practicum in Electronic Media	
COMM 2325 Practicum in Electronic Media	
COMM 2326 Practicum in Electronic Media	
COMM 2331 Announcing for Radio and Television	3
COMM 2339 Writing for Radio and Television	3
Total Semester Hours	62

*PHED 1100 should be the first course taken in physical education.

Course of Study for Associate in Arts Degree Mass Communication

	Semester Semester	· Hrs
	General Education Requirements4	
	ENGL 1301 Composition and Rhetoric	
ς,	ENGL 1302 Composition and Literature	
	ENGL (sophomore level)	.6
S	Foreign Language or Science (six to eight hours in same discipline)	.8
1,0%	GOVT 2301 U.S. and Texas Government	.ვ
V	HIST 1301 U.S. History to 1877	
_	HIST 1302 U.S. History from 1877	
4	MATH (College level)	
	*PHED (any two one-hour activity courses)	.5
	Philosophy, Psychology Sociology, Anthropology or Economics courses	6
	SPCH 1315 Public Speaking OR SPCH 1321 Business and Professional Speech	.3
	•	
	Elective (must be outside major area)	
` .	Major Requirements (Choose from among the following)1	13
_	COMM 1307 Introduction to Mass Communications	
¥.	COMM 1316 News Photography	
	COMM 1318 Basic Photography I	
	COMM 1319 Basic Photography I I	
-	COMM 1335 Survey of Radio and Television	.3
	COMM 1336 Television Production	.3
	COMM 2303 Audio and Radio Production	
	Total Semester Hours6	52
	*PHED 1100 should be the first course taken in physical education.	
	Mass Communication Courses	
	COMM 1307 Introduction to Mass Communications (09.0403.5126)	
	(3-0) 3 hou	ırs
•	Surveys basic facets affecting human interaction through mass communications. This cou	urse
	is designed to develop understanding of the interrelationships of the mass media in society	ý
5	and to help project the future of communication in an ever changing world. (SCANS 6,7,9))
Ħ	Prerequisites: TASP competency in reading and writing or consent of instructor.	
	COMM 1316 News Photography (09.0401.5526)	
	(2-4)	rs
	Introduces basic aspects of photography for publications. Emphasizes the various u	ISOS
e,	and outlets for news and feature photography. Students will participate in group	
	assignment and decision making. Lab fee required. (SCANS 2,5,6,8,9) Prerequisite	e :
_	TASP competency in reading, writing and math or consent of instructor.	
1	COMM 1318 Basic Photography I (50.0605.5130)	
	(2-4)	rs
	Introduces basic applied and aesthetic aspects of photography. The student will ass	ess
ن	and select equipment, supplies and techniques to incorporate basic theories of film,	
	exposure, development, filters and printing. Lab fee required. (SCANS 4,8,9)	
•	Prerequisites: TASP competency in reading, writing and math or consent of instructor	UI.
	COMM 1319 Basic Photography II (50.0605.5230)	
	(2-4)	
	A continuation of COMM 1318. Designed for additional experience in the photograph	hic
	medium. Lab fee required. (SCANS 4,8,9) Prerequisites: COMM 1318; TASP	
	competency in reading, writing and math or consent of instructor.	

COMM 1335 Survey of Radio and Television (09.0403.5226) (3-0)3 hours Examines the development, regulation, economics, social responsibilities and industry practices in broadcasting and cable communication, non-broadcast television, new technology and other communication systems. (SCANS 6,7,8) Prerequisites: TASP competency in reading and writing or consent of instructor. COMM 1336 Television Production (10.0104.5226) Presents practical experience in the operation of television studio and control room equipment, with an emphasis on production. Includes pre-production techniques. student involvement in direction and assignments to all crew positions for class productions. (SCANS 5.6.8.11) Prerequisites: TASP competency in reading and writing or consent of instructor. COMM 2303 Audio/Radio Production (10.0104.5126) (3-0) ______3 hours Presents the concepts and techniques of sound production, including the coordinating and directing of all aspects of sound production from the design of the production to the finished product, with emphasis on the manipulation of equipment and sound sources and direction of talent. (SCANS 6,8,9) Prerequisites: COMM 1307 or COMM 1335 or consent of instructor; TASP competency in reading and writing or consent of instructor. COMM 2331 Announcing for Radio and Television (23.1001.6126) Helps prepare the student for a career in voice talent for radio and television. Includes proper pronunciation, articulation, interviewing, reading of news and commercial copy and announcing music and sports. (SCANS 1,6,9,11) Prerequisites: COMM 1307 or COMM 1335 or consent of instructor; TASP competency in reading and writing or consent of instructor. COMM 2339 Writing for Radio and Television (09.0402.5126) (3-0) 3 hours Provides techniques and practical exercises in presenting effective communication of messages through radio and television. Presents procedures for writing commercial, public service, promotional, news and documentary programming. (SCANS 2,6,7,9,11) Prerequisites: COMM 1307 or COMM 1335 or consent of instructor: TASP competency in reading and writing or consent of instructor; ability to type approximately 30 words per minute. COMM 2120, 2121, 2122 Practicum in Electronic Media (09.0701.5326) Provides framework for student participation at KOCV-FM, the college radio station. Requires working as a team member for a minimum of five hours per week at the station and attending a weekly staff meeting designed to keep students abreast of happenings at the station and in the industry. (SCANS 5,8,9,10,11) Lab fee required. Prerequisites: COMM 1307 or COMM 1335 or consent of the KOCV-FM station manager; TASP competency in reading and writing or consent of instructor. COMM 2220 Practicum in Electronic Media (09.0701.5326) This radio option practicum is designed to allow students to tailor their Odessa College experience to their future career goals in audio/radio. Students may choose practicum experience at various local radio stations or produce specific projects. (SCANS 5,8,9,10,11) Lab fee required. Prerequisites: TASP competency in reading and writing or consent of instructor, successful completion or current enrollment in another broadcasting course and approval of the faculty advisor and prospective practicum site management.

COMM 2324 Practicum in Electronic Media (09.0701.5326)

COMM 2325 Practicum in Electronic Media (09.0701.5326)

COMM 2326 Practicum in Electronic Media (09.0701.5326)

Mathematics

Faculty: George Brewer, chair; Jim Camp, Dr. James Fields, Dr. Stephanie Kern, Yancy Nunez, Dr. Glynna Strait, Margaret Street, Dr. Charles Sweatt.

The mathematics department is guided by the following objectives: (1) pre-professional training for mathematicians and teachers of mathematics; (2) preparation of students for further study of science, engineering, industry and business; (3) adequate mathematical training for students in occupational-technical programs; (4) mathematical offerings suitable for the student seeking a well-balanced, liberal education and (5) provision for students seeking to remove deficiencies or desiring to refresh their knowledge from previous training. Students are responsible for checking the catalog of the senior college or university to which they plan to transfer to determine which of these courses are compatible with that institution's degree plan.

Course of Study for Associate in Science Degree Mathematics

		Semester H	ire
G	eneral Education Requirements	41	i
	ENGL 1301 Composition and Rhetoric		3
	ENGL 1302 Composition and Literature		
_	ENGL (sophomore level)	6	3
	GOVT 2301 U.S. and Texas Government		
	GOVT 2302 American National Government	3	3
	HIST 1301 U.S. History to 1877		3
٠.	HIST 1302 U.S. History from 1877		
	Lab Science		
ł	*PHED (any two one-hour activity courses)		2
	SPCH 1315 Public Speaking	3	3

Major Requirements 18 **MATH 1348 Analytic Geometry 3 MATH 2313 Calculus I 3 MATH 2314 Calculus II 3 MATH 2315 Calculus III 3 MATH 2318 Linear Algebra 3 MATH 2320 Differential Equations 3	
Related Requirements4 COSC 1415 Introduction to Computer Science4	
Total Semester Hours63	
*PHED 1100 should be the first course taken in physical education.	
**Students not prepared for MATH 1348 Analytic Geometry should enroll in MATH 1316 Plane Trigonometry or a lower-level math course before enrolling in MATH 1348. Preregistration testing is available for placement aid for students planning to take MATH 0371, MATH 0372 TMTH 1370, MATH 0375, MATH 1371, MATH 1372, MATH 1314 or MATH 1332.	n —
Mathematics Courses	
MATH 0171 Fundamental Math (32.0104.5137)	
(0-1)	
information from a graph, table or chart and use measure of central tendency, and variability. The student will learn to prioritize time and develop self discipline in this self-paced course as well as learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, and problem solving.	
Credit is not transferable. This course does not satisfy requirements for any degree plan at Odessa College. (SCANS 3,4,8,9) Prerequisite: Consent of the instructor.	
MATH 0172 Algebra — Graphing and Equations (32.0104.5137) (0-1)	
MATH 0173 Algebra — Operations and Quadratics (32.0104.5137) (0-1)	1,
graphs. The student will learn to prioritize time and develop self-discipline in this self-paced course as well as learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, and problem solving. Credit is not transferable. This course does not satisfy requirements for any degree plan at Odessa College. (SCANS 3,4,8,9) Prerequisite: Consent of the instructor.	
MATH 0174 Geometry and Problem Solving (32.0104.5137)	
(0-1)	

mathematical techniques and technologies and use skills in information organizing, processing, and problem solving. Credit is not transferable. This course does not satisfy requirements for any degree plan at Odessa College. (SCANS 3,4,8,9) Prerequisite: Consent of the instructor.

MATH 0371 Basic Mathematics (32.0104.5137)

MATH 0372 Introductory Algebra (27.0101.5437)

TMTH 1370 Technical College Mathematics

MATH 0373 Elementary Mathematics of Finance (27.0101.6637)

MATH 0375 Intermediate Algebra (27.0101.5237)

178 **MATH 1314 College Algebra** (27.0101.5437) (3-0)3 hours Includes sets, complex numbers, quadratic and quadratic form equations, inequalities, functions, systems of equations and topics selected from logarithmic functions, matrices, determinants, binomial theorem, math induction and sequences and series. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. The student should be able to probe for mathematical meaning and, perhaps, describe these meanings to others. Placement testing available. (SCANS 3,8,9,11) Prerequisite: MATH 0375 passed with a "C" or better, high school algebra II, or an independent school district/OC concurrent enrollment form. **MATH 1316 Plane Trigonometry (27.0101.5337)** variations of functions with changes in angles, trigonometric equations, identities, solutions of oblique triangles and applications, logarithmic functions, inverse functions and complex numbers. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. The student should be able to probe for mathematical meaning and, perhaps, describe these meanings to others. (SCANS 3,8,9,11) Prerequisite or corequisite: MATH 1314 or equivalent competency, or an independent school district/OC concurrent enrollment form. MATH 1324 Mathematical Analysis for Business I (27.0301.5237) Develops quantitative methods of analysis for business problems. Includes study of set theory, symbolic logic, mathematical relationships, vectors and matrices, break-even interpretations, linear programming, probability and expected value as aids in formulating business decisions. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing processing, planning and problem solving. (SCANS 3,8,9) Prerequisite: MATH 0375 passed with a "C" or better, high school algebra II, or equivalent competency. MATH 1325 Mathematical Analysis for Business II (27.0301.5237) 🗸 Includes elementary calculus of differentiation, integration and application. Emphasizes application to business and economic problems. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. The student should be able to probe for mathematical meaning and, perhaps, describe these meanings to others. (SCANS 3,8,9,11) Prerequisite: MATH 1324. MATH 1332 Structures of College Mathematics I (27.0101.5137) concepts of mathematics and problem solving. The student will learn to select appropriate mathematical techniques and technologies and use these skills in problem solving. Students will develop and/or discover mathematical relationships. This course is designed

primarily for liberal arts and education majors. (SCANS 3,8,9,11) Prerequisite: MATH 0375 or high school algebra II or passing score on TASP math section.

MATH 1333 Structures of College Mathematics II (27.0101.5137)

Topics covered will include algebra, geometry, measurement, and an introduction to probability and statistics. The student will learn to select appropriate mathematical techniques and technologies and use these skills in problem solving. The students will develop and or discover mathematical relationships. This course is designed primarily for liberal arts and education majors. (SCANS 3,8,9,11) Prerequisites: MATH 1332 or MATH 0375 or satisfactory placement score.

MATH 1342 Mathematical Statistics (27.0501.5137)

MATH 1348 Analytic Geometry (27.0101.5537)

MATH 1371 College Algebra for Business (27.0301.5237)

MATH 1372 Technical College Algebra (27.0101.5437)

MATH 1442 Business Statistics (27.0501.5137)

MATH 2313 Calculus I (27.0101.5937)

MATH 2314 Calculus II (27.0101.5937)

MATH 2315 Calculus III (27.0101.5937)

MATH 2318 Linear Algebra (27.0101.6137)

MATH 2320 Differential Equations (27.0301.5137)

Medical Lab Technology (see Clinical Laboratory Sciences)

Metal Trades Technologies

Faculty: Galen Ballard, chair

Two options are available to students in the metal trades technologies program.*

The industrial machinist option is designed to provide students a broad background of basic knowledge in the field of mechanical design and production. Skills are developed in the operation of machine tools, in layout and in blueprint reading so as to provide students with sufficient knowledge for entry employment in the trade.

The industrial welding option provides the student with sufficient skill in electric arc and gas welding procedures for entry employment in these occupations. Students completing the associate degree program will have sufficient background in mathematics, communications, blueprint reading, and layout to interpret engineers' plans and instructions, and to work as a supporting technician with minimum orientation.

*While a certificate of technology with an emphasis in either machine or welding technology will prepare the student to be an effective employee, the associate in applied science degree provides the necessary educational background for advancing to positions of even greater responsibility in the industry.

Course of Study for Associate in Applied Science Degree Metal Trades Technologies

	Semester Hrs	8
	General Education Requirements for all options17	
	COSC 1301 Introduction to Computer Systems	
25	ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	
養	GOVT 2301 U.S. and Texas Government OR	
	GOVT 2302 American National Government	
	MATH 1314 College Algebra OR	
_	MATH 1371 College Algebra for Business OR	
1	MATH 1372 Technical College Algebra	
	*PHED (any two one-hour activity courses)2	
•	SPCH 1315 Public Speaking OR	
-	SPCH 1321 Business and Professional Speech	
	Elective3	
	*PHED 1100 should be the first course taken in physical education.	
	• •	
	Technical Core18	
	DRAF 1401 Technical Drafting I4	
	MACH 1401 Basic Machine Shop Fundamentals4	
	OSHA 2395 Industrial Safety3	
	PETR 1300 Petroleum Overview3	
	WELD 1401 General Welding4	
	and one of the following two options	
*	Industrial Machinist Option	
*	Industrial Machinist Option Semester Hrs	3
	Semester Hrs27	3
	Major Requirements	8
	Major Requirements	8
	Major Requirements	3
	Major Requirements	8
	Semester Hrs Major Requirements 27 MACH 1402 Machines and Their Operations I 4 MACH 1403 Machines and Their Operations II 4 MACH 2377 Cooperative Work Experience 3 MACH 2401 Advanced Machine Tool Operations I 4 MACH 2402 Advanced Machine Tool Operations II 4 MACH 2403 Metallurgy 4 MACH 2404 Computerized Numerical Control (CNC) 4 Industrial Welding Option Semester Hrs	
	Semester Hrs Major Requirements 27 MACH 1402 Machines and Their Operations I 4 MACH 1403 Machines and Their Operations II 4 MACH 2377 Cooperative Work Experience 3 MACH 2401 Advanced Machine Tool Operations I 4 MACH 2402 Advanced Machine Tool Operations II 4 MACH 2403 Metallurgy 4 MACH 2404 Computerized Numerical Control (CNC) 4 Industrial Welding Option Semester Hrs Major Requirements	
	Semester Hrs Major Requirements 27 MACH 1402 Machines and Their Operations I 4 MACH 1403 Machines and Their Operations II 4 MACH 2377 Cooperative Work Experience 3 MACH 2401 Advanced Machine Tool Operations I 4 MACH 2402 Advanced Machine Tool Operations II 4 MACH 2403 Metallurgy 4 MACH 2404 Computerized Numerical Control (CNC) 4 Industrial Welding Option Semester Hrs	
	Major Requirements	
	Semester Hrs Major Requirements 27 MACH 1402 Machines and Their Operations I 4 MACH 1403 Machines and Their Operations II 4 MACH 2377 Cooperative Work Experience 3 MACH 2401 Advanced Machine Tool Operations I 4 MACH 2402 Advanced Machine Tool Operations II 4 MACH 2403 Metallurgy 4 MACH 2404 Computerized Numerical Control (CNC) 4 Industrial Welding Option Semester Hrs WELD 1402 Intermediate Shielded-Metal Arc Welding 4 WELD 1403 Basic Layout 4 WELD 2377 Cooperative Work Experience 3	
	Semester Hrs Major Requirements 27 MACH 1402 Machines and Their Operations I 4 MACH 1403 Machines and Their Operations II 4 MACH 2377 Cooperative Work Experience 3 MACH 2401 Advanced Machine Tool Operations I 4 MACH 2402 Advanced Machine Tool Operations II 4 MACH 2403 Metallurgy 4 MACH 2404 Computerized Numerical Control (CNC) 4 Industrial Welding Option Semester Hrs Major Requirements 27 WELD 1402 Intermediate Shielded-Metal Arc Welding 4 WELD 2377 Cooperative Work Experience 3 WELD 2401 Advanced Shielded-Metal Arc Welding 4	
	Semester Hrs Major Requirements 27 MACH 1402 Machines and Their Operations I 4 MACH 1403 Machines and Their Operations II 4 MACH 2377 Cooperative Work Experience 3 MACH 2401 Advanced Machine Tool Operations I 4 MACH 2402 Advanced Machine Tool Operations II 4 MACH 2403 Metallurgy 4 MACH 2404 Computerized Numerical Control (CNC) 4 Industrial Welding Option Semester Hrs WELD 1402 Intermediate Shielded-Metal Arc Welding 4 WELD 1403 Basic Layout 4 WELD 2377 Cooperative Work Experience 3	
	Major Requirements	
	Semester Hrs Major Requirements 27 MACH 1402 Machines and Their Operations I 4 MACH 1403 Machines and Their Operations II 4 MACH 2377 Cooperative Work Experience 3 MACH 2401 Advanced Machine Tool Operations I 4 MACH 2402 Advanced Machine Tool Operations II 4 MACH 2403 Metallurgy 4 MACH 2404 Computerized Numerical Control (CNC) 4 Industrial Welding Option Semester Hrs Major Requirements 27 WELD 1402 Intermediate Shielded-Metal Arc Welding 4 WELD 2377 Cooperative Work Experience 3 WELD 2401 Advanced Shielded-Metal Arc Welding 4	
	Major Requirements	

Certificates of Technology in Metal Trades Technologies

Certificates of technologies are available in the following job-specific fields. See the program chairman for course requirements and Permian Basin job opportunities.

Level I certificates are TASP-waived.

<u> Level I - Machinist Option</u>	
•	Semester Hrs
COSC 1301 Introduction to Computer Systems	3
FNGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	3
DRAF 1401 Technical Drafting I	4
DRAF 1401 Technical Drafting I	4
MACH 1402 Machines & Their Operations	4
MACH 2401 Advanced Machine Tool Operations I	Δ
MACH 2402 Matalluras	A
MACH 2403 Metallurgy	
*TMTH 1370 Technical College Mathematics QR higher level math	
TMTH 1370 Technical College Mathematics On higher level math	
WELD 1401 General Welding	
Total Semester Hours	37
Level II - Machine Shop Foreman Option	
	Semester Hrs
COSC 1301 Introduction to Computer Systems	3
COSC 1301 Introduction to Computer Systems	
EITGE 1001 Composition and randono on Little 1012 1012 110pon 1111ang	
DRAF 1401 Technical Drafting I	4
MACH 1401 Basic Machine Shop Fundamentals	4
MACH 1402 Machines & Their Operations	4
MACH 1403 Machines and Their Operations	4
MACH 2401 Advanced Machine Tool Operations I	4
MACH 2402 Advanced Machine Tool Operations II	4
MACH 2403 MetallurgyMACH 2404 Computerized Numerical Control	4
MACH 2404 Computerized Numerical Control	4
OSHA 2395 Industrial Safety	3
*TMTH 1370 Technical College Mathematics OR higher level math	3
WELD 1401 General Welding	4
Total Semester Hours	AR
COSC 1301 Introduction to Computer Systems	<u>90</u> Semester Hrs
COSC 1301 Introduction to Computer Systems	3
FNGI 1301 Composition and Rhetoric OR FNGI 1312 Report Writing	3
DRAF 1401 Technical Drafting I	
MACH 1401 Basic Machine Shop Fundamentals	
MACH 2404 Computerized Numerical Control	A .
MATH 1314 College Algebra QR MATH 1372 Technical College Algebra	······································
Total Semester Hours	21
Level i - Milling Machine Operator Option	Semester Hrs
ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	Selliester LL2
DRAE 1404 Technical Drafting 1	3
DRAF 1401 Technical Drafting I	4
MACH 1401 Basic Machine Shop Fundamentals	4 V
MACH 1402 Machines & Their Operations	4
MACH 1403 Machines and Their Operations	4
MACH 2401 Advanced Machine Tool Operations I	4
*TMTH 1370 Technical College Mathematics OR higher level math	3 i
Total Semester Hours	
10tal Jelhester 110tis	26

	Level I - Engine Lathe Operator Option	
	ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	Semester Hrs
	DRAF 1401 Technical Drafting I	4
	MACH 1401 Basic Machine Shop Fundamentals	4
_	MACH 1402 Machines & Their Operations	4
_	MACH 2401 Advanced Machine Tool Operations I	4
	*TMTH 1370 Technical College Mathematics OR higher level math	
10	otal Semester Hours	22
	Level I - General Welder Option	
4		Semester Hrs
Ž.	ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	3
	DRAF 1401 Technical Drafting I	4
	*TMTH 1370 Technical College Mathematics OR higher level math	3
	WELD 1401 General Welding	4
	WELD 1402 Intermediate Shielded-Metal Arc Welding	
₩ To	otal Semester Hours	18
Ô	<u>Level I - Fitter Welder Option</u>	
		Semester Hrs
	ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	
_	DRAF 1401 Technical Drafting I	4
	*TMTH 1370 Technical College Mathematics or higher level math	3
	WELD 1401 General Welding	4
	WELD 1402 Intermediate Shielded-Metal Arc Welding	4
_	WELD 1403 Basic Layout	
To	otal Semester Hours	22
	Level I - Certified Welder Option	Compostor Has
	ENOL 1001 Composition and Discharic OD ENOL 1010 Depart Militims	Semester Hrs
	ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	3
	DRAF 1401 Technical Drafting I* *TMTH 1370 Technical College Mathematics OR higher level math	٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠
	WELD 1401 General Welding	
	WELD 1402 Intermediate Shielded-Metal Arc Welding	
	WELD 2401 Advanced Shielded-Metal Arc Welding	
	WELD 2404 Gas Tungsten Arc Welding	4
-	· · · · · · · · · · · · · · · · · · ·	
1	otal Semester Hours	20
ř	Level I - Pipe Welding Foreman Option	
_	Love 1 - 1 spe treating 1 oremain option	Semester Hrs
_	ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	
	DRAF 1401 Technical Drafting I	
	*TMTH 1370 Technical College Mathematics OR higher level math	3
	WELD 1401 General Welding	4
-	WELD 1402 Intermediate Shielded-Metal Arc Welding	4
	WELD 1403 Basic Layout	4
	WELD 2401 Advanced Shielded-Metal Arc Welding	
	WELD 2402 Gas Metal Arc Welding	4
	WELD 2404 Gas Tungsten Arc Welding	4
S To	otal Semester Hours	34
(5)		

Level II - Welding Machine Operator Option	
COOC 4004 L. L. et attache Communica Contamo	Semester Hrs
COSC 1301 Introduction to Computer Systems	
DRAF 1401 Technical Drafting I	a 3
OSHA 2395 Industrial Safety	3
*TMTH 1370 Technical College Mathematics OR higher level math	3
WELD 1401 General Welding	
WELD 1401 General WeldingWELD 1402 Intermediate Shielded-Metal Arc Welding	Δ
WELD 1402 Black I avoid	Δ
WELD 1403 Basic Layout WELD 2401 Advanced Shielded-Metal Arc Welding	Δ
WELD 2402 Gas Metal Arc Welding	
WELD 2403 Metallurgy	Δ
WELD 2404 Gas Tungsten Arc Welding	Δ
Total Semester Hours	
lotal Semester hours	***************************************
*TMTH 1370 Technical College Mathematics applicable toward certificate	s only.
Machine Technology Courses	
MACH 1401 Basic Machine Shop Fundamentals	
(2-6)	4 hours
Competencies include the basics of machine shop practices, trade te	rminology, shop
safety, shop operations, semi-precision and precision measuring tool	
high speed tooling. Students will perform basic calculations, select a	nd acquire
appropriate materials, interpret simple blueprints and apply appropria	te machine shop
technology to complete the assigned tasks and describe complex sys	
workers and supervisors. Students will learn problem-solving techniq	ues and be
responsible for producing quality work. Students will maintain and as	
machine, perform daily maintenance and be responsible for time mar	
performance. Requires grinding and sharpening single-point cutting to	ools for simple
lathe projects. (SCANS 1,3,4,7,8,9,10,11) Lab fee required. Prerequ	isite: None.
MACH 1402 Machines and Their Operations I	•
(2-6)	4 hours
Students will learn to understand and interpret more complex bluep	rints, and approach
practical problems using precision measuring instruments. Advance	
stressed for speeds and feeds calculations. Students will select ar	nd use a variety of
equipment such as, power hacksaw, bandsaw and pedestal grinders. T	
advanced lathe operation, time management and set up and requi	
laboratory performance to demonstrate maximum machine tool performance	ormance. (SCANS
1,3,4,8,9,10) Lab fee required. Prerequisite or corequisite: MACH	
department chair.	
MACH 1403 Machines and Their Operations II	
(2-6)	4 hours
This is a follow up course to MACH 1402. Students will enhance their	understanding and
interpretation of blueprints, and approach practical problems using p	recision measuring
instruments. Students will use a variety of equipment such as milling m	
universal grinder. Calculations of material usage and advanced machin	
students' responsibility to maintain during the completion of required pro	
will learn to work with customers to satisfy their expectations and promot	
work performance and to apply advanced machine practices to their per	formance (SCANC
1,3,4,5,8,9,10) Lab fee required. Prerequisite or corequisite: MACH	
department chair.	ITUZ UI CUIISUILO
Geparrielit Gian.	

MACH 2377 Cooperative Work Experience

MACH 2401 Advanced Machine Tool Operations I

MACH 2402 Advanced Machine Tool Operations II

MACH 2403 Metallurgy

MACH 2404 Computerized Numerical Control

Welding Technology Courses

WELD 1401 General Weiding

Introduces the basic competencies of oxy-fuel and electric arc welding. Students will acquire and evaluate information pertaining to the use of torches and regulators, flame adjustment, soldering, silver soldering, brazing, and arc welding on common metals and safe procedures for handling welding equipment. Emphasis is placed on students'

ability to acquire and apply new knowledge and skills. Students will be required to work in pairs and critique each other's work, and be able to communicate with each other. (SCANS 5,6,8,9,10,11) Lab fee required. Prerequisite: None.

WELD 1402 Intermediate Shielded-Metal Arc Welding

WELD 1403 Basic Layout

WELD 2377 Cooperative Work Experience

WELD 2401 Advanced Shielded-Metal Arc Welding

WELD 2402 Gas Metal Arc Welding

WELD 2403 Metallurgy

WELD 2404 Gas Tungsten Arc Welding

Music

Faculty: Dr. Kathryn Hoppe, chair; Lonnie Clark, Randy Talley, Dr. Charlotte Whitaker.

The Odessa College music department, offering an associate of arts degree in music, provides a high quality academic program and cultural enrichment for all Ector County area residents. Courses and performing organizations supply pre-professional training for the music major, fulfill general education requirements, and offer personal enrichment and enjoyment for area residents. As a service to the community, the department presents performances of faculty, students, and ensembles; hosts area music clinics and competitions; and furnishes performance facilities for area music teachers. The music department is an accredited institutional member of the National Association of Schools of Music, a member of the Texas Association of Music Schools and the Texas Music Educators Association.

Course of Study for Associate in Arts Degree Music

indo-o	
	Semester Hrs
General Education Requirements	38
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
FNGI (sophomore level)	6
GOVT 2301 U.S. and Texas Government	
GOVT 2302 American National Government	3
**Foreign Language, Math, or Science	6
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
*PHED (Any two one-hour activity courses)	2
SPCH 1315 Public Speaking	3
Major Requirements	34
Class Piano, Secondary Piano, or Piano Ensemble (Piano Majors) .	4
Freshman Principal Instrument or Voice	4
MUSI 1308 and MUSI 1309 Introduction to Music Literature	6
MUSI 1311 and MUSI 1312 Freshman Music Theory	
MUSI 2311 and MUSI 2312 Advanced Study of Harmony	
Music Ensemble	
Sophomore Principal Instrument or Voice	
Total Semester Hours	72
+ tourn 1100 should be the first source taken in physical advication	

*PHED 1100 should be the first course taken in physical education.
**Six to eight semester hours in same discipline.

Music Ensemble Courses

MUSI 1121, 1122, 2121, 2122 Concert Band (50.0903.5530) (0-3)	
(0-3)	
MUSI 1131, 1132, 2131, 2132 Jazz Ensemble (50.0903.5530)	
(0-3))
MUSI 1133, 1134, 2133, 2134 Orchestra (50.0903.5530)	
(0-3)	
MUSI 1137, 1138, 2137, 2138 Piano Ensemble and Accompanying (50.0903.5630)	•
(0-3)	1
MUSI 1241, 1242, 2241, 2242 A Cappella Choir (50.0903.5730)	
(0-5)	
MUSI 1151, 1152, 2151, 2152 Vocal Ensemble (50.0903.5830)	
(0-3)	
Music Classes	Ŷ
MUSI 1306 Music Appreciation (50.0902.5130)	1
(3-0)	
videos, recordings, and live performances. (SCANS 6.11) Prerequisite: None	

MUSI 1308, 1309 Introduction to Music Literature (50.0902.5230) A chronological survey course for music majors, which acquaints students with musical composition from the Middle Ages through the 20th century. Historical aspects, as well as the music itself, are presented. Music history information and listening skills will be acquired through various audio-visual aids, including videotapes, CDs, CD-Roms, workbooks, and textbook. Required of all music majors. (SCANS 6,11) No prerequisite for MUSI 1308. Prerequisite for MUSI 1309: Consent of instructor. **MUSI 1311, 1312 Freshman Music Theory** (50.0904.5130) seventh chord harmony, embellishing tones, modes and motivic variation procedures through analysis, part-writing, composition, ear-training, sight-singing, rhythmic reading and keyboard applications. Required for all music majors. (SCANS 6,11) Prerequisite for MUSI 1312: MUSI 1311. **MUSI 2311, 2312 Advanced Study of Harmony** (50.0904.5230) small forms through analysis, part-writing, composition, ear-training, sight-singing, rhythmic reading and keyboard applications. Twentieth century melody and harmony and large forms are studied during the second semester. Required for all music majors. (SCANS 6,11) Prerequisite for MUSI 2311: Mu 1312. Prerequisite for MUSI 2312: MUSI 2311. **MUSI 1370 Music Fundamentals** (50.0904.5530) This course is open to all students and is a basic study of the principles of music and music theory information including notation, scales, intervals, and chords. (SCANS 6) Prerequisite: None. MUSI 1371, 1372 Piano Literature (50.0902.5230) and styles. MUSI 1371 presents origins of keyboard and solo piano literature of the 18th century. MUSI 1372 presents solo piano literature of the 19th and 20th centuries. Information is acquired and listening skills are enhanced through the use of cassette tapes, videotapes, CD's, CD-Roms, and live performance. (SCANS 6,11) Prerequisite: Consent of the instructor. **MUSI 1160 Italian Diction (50.0908.5330)** phonetically spell the Italian language through listening and speaking exercises. Vocabulary derived from words commonly used in song and opera. (SCANS 11) Prerequisite: None. **MUSI 2160 German Diction** (50.0908.5330) (2-0)1 hour Emphasizes German language and diction. Designed to promote ability to sing and phonetically spell the German language through listening and speaking exercises. Vocabulary derived from words commonly used in song and opera. (SCANS 11) Prerequisite: MUSI 1160. **MUSI 2161 French Diction** (50.0908.5330) phonetically spell the French language through listening and speaking exercises. Vocabulary derived from words commonly used in song and opera. (SCANS 11) Prerequisite: MUSI 1160.

MUSI 1170, 1171 General Foundations in Music (50.0904.5430)	
(0-1/2)	
required. (SCANS 1,11) Prerequisite: None.	
MUSI 1172, 1173 Instrumental Foundations in Music (50.0904.5430) (0-1/2)	1
Offered on an elective basis to meet special needs of students to develop their musical ability. Emphasizes the necessary skills for satisfactory performance in playing an instrument, listening, creating rhythmic responses, and reading music notation. Lab fee required. (SCANS 1,11) Prerequisite: None.	
MUSi 1174, 1175 Keyboard Foundations in Music (50.0904.5430)	
(0-1/2)	
MUSI 1176, 1177 Vocal Foundations in Music (50.0904.5430)	
(0-1/2)	
creating rhythmic responses, and reading music notation. Lab fee required. (SCANS 1,11) Prerequisite: None.	1
MUSI 1181, 1182, 2181, 2182 Class Piano (50.0907.5130)	
(1-2)	
rhythm, harmony), chord structure, harmonization, ensemble playing and improvisation. Class taught in state-of-the-art piano lab, using digital keyboards, sequencers and computers. (SCANS 1,5,6,8) Prerequisite: Consent of the instructor.	
Private Lessons	•
Private study of piano, organ, voice, string, brass, woodwind, and percussion instruments is available to all students on both beginning and advanced levels of instruction.	
Students will develop and/or enhance their music reading and listening skills through practice and performance on their instrument. Music majors will have a one-hour lesson on their major instrument. They may also have a 1/2 hour lesson on a secondary instrument. Non-music majors will have a one-half hour lesson. Five hours of practice per week is	
required for a one-half hour lesson, and 10 hours for a one-hour lesson. (SCANS 1,11) Lab fee required. Prerequisite: None.	
Non-Music Major Courses	
MUAP 1189, 1190, 2189, 2190 Applied Music (50.0903.5430) (0-1/2)	*
Music Major Courses	
MUAP 1201, 1202 Freshman Violin (50.0903.5430) (0-1)	

*	MUAP 2201, 2202 Sophomore Violin (50.0903.5430)	13
	(0-1)	2 hours each
	MUAP 1205, 1206 Freshman Viola (50.0903.5430) (0-1)	2 hours each
	MUAP 2205, 2206 Sophomore Viola (50.0903.5430) (0-1)	2 hours each
	MUAP 1209, 1210 Freshman Cello (50.0903.5430) (0-1)	2 hours each
	MUAP 2209, 2210 Sophomore Cello (50.0903.5430) (0-1)	2 hours each
	MUAP 1213, 1214 Freshman Double Bass (50.0903.5430) (0-1)	
*	MUAP 2213, 2214 Sophomore Double Bass (50.0903.5430)	
	(0-1)	2 nours each
	MUAP 1217, 1218 Freshman Flute (50.0903.5430) (0-1)	2 hours each
	MUAP 2217, 2218 Sophomore Flute (50.0903.5430) (0-1)	2 hours each
4.00	MUAP 1221, 1222 Freshman Oboe (50.0903.5430) (0-1)	2 hours each
	MUAP 2221, 2222 Sophomore Oboe (50.0903.5430) (0-1)	2 hours each
	MUAP 1225, 1226 Freshman Bassoon (50.0903.5430) (0-1)	2 hours each
4	MUAP 2225, 2226 Sophomore Bassoon (50.0903.5430) (0-1)	2 hours each
I	MUAP 1229, 1230 Freshman Clarinet (50.0903.5430) (0-1)	2 hours each
	MUAP 2229, 2230 Sophomore Clarinet (50.0903.5430) (0-1)	2 hours each
	MUAP 1233, 1234 Freshman Saxophone (50.0903.5430) (0-1)	2 hours each
	MUAP 2233, 2234, Sophomore Saxophone (50.0903.5430) (0-1)	2 hours each
	MUAP 1237, 1238 Freshman Cornet or Trumpet (50.0903.5430) (0-1)	2 hours each
	MUAP 2237, 2238 Sophomore Cornet or Trumpet (50.0903.5430) (0-1)	2 hours each
	MUAP 1241, 1242 Freshman French Horn (50.0903.5430) (0-1)	2 hours each

MUAP 2241, 2242 Sophomore French Horn (50.0903.5430) (0-1)
MUAP 1245, 1246 Freshman Trombone or Baritone (50.0903.5430) (0-1)
MUAP 2245, 2246 Sophomore Trombone or Baritone (50.0903.5430) (0-1)
MUAP 1253, 1254 Freshman Tuba (50.0903.5430) (0-1)
MUAP 2253, 2254 Sophomore Tuba (50.0903.5430) (0-1)
MUAP 1257, 1258 Freshman Percussion (50.0903.5430) (0-1)
MUAP 2257, 2258 Sophomore Percussion (50.0903.5430) (0-1)
MUAP 1261, 1262 Freshman Classical Guitar (50.0903.5430) (0-1)2 hours each
MUAP 2261, 2262 Sophomore Classical Guitar (50.0903.5430) (0-1)
MUAP 1265, 1266 Freshman Organ (50.0903.5430) (0-1)
MUAP 2265, 2266 Sophomore Organ (50.0903.5430) (0-1)
MUAP 1269, 1270 Freshman Piano (50.0903.5430) (0-1)
MUAP 2269, 2270, Sophomore Piano (50.0903.5430) (0-1)
MUAP 1281, 1282 Freshman Voice (50.0903.5430) (0-1)
MUAP 2281, 2282 Sophomore Voice (50.0903.5430) (0-1)
MUAP 1165, 1166, 2165, 2166 Secondary Organ (50.0903.5430) (0-1/2)
MUAP 1169, 1170, 2169, 2170 Secondary Piano (50.0903.5430) (0-1/2)
MUAP 1181, 1182, 2181, 2182 Secondary Voice (50.0903.5430) (0-1/2)
MUAP 1187, 1188, 2187, 2188 Secondary Instrument (50.0903.5430) (0-1/2)

Nursing RN/LVN/Tech-Prep

Faculty, Odessa: Carol Boswell, chair; Clarice Rowland, assistant director and coordinator of RN-Evening Direct Option Program; Ann Armstrong, Gail Barry, Marylin Boomer, Patty Chapman, Laura Cralle, Wanda Davis, Patty Jordan, Eva Mauldin, Jan Phillips, Pat Ritchey, Robbie Rogers and Naomi Warren.

Faculty, Andrews: Patricia Bayless, chair; DeAnna Moore

Faculty, Kermit: Anne Mitchell, chair; Stacy Wallis

The curriculum of the Odessa College nursing programs prepares the student for a variety of experiences in health care, including hospitals, home health care services, mental health agencies and occupational care in industry. Nursing is a caring-oriented human experience requiring a well educated nurse. Odessa College nursing programs are designed to allow students maximum flexibility to obtain this education. Options available to complete this goal are listed.

Career Ladder Option - Vocational/Associate Degree Level:

The Career Ladder Option on the Odessa Campus is designed to allow students the option of progressing through the two levels of nursing. Successful completion of the vocational level qualifies the student as an eligible candidate to take the National Council for Licensure Examination (NCLEX) - Practical Nurse (PN). The student will receive a certificate of completion. Successful completion of the associate-degree level qualifies the student as an eligible candidate to take the NCLEX - registered nurse (RN). The student will receive an associate in applied science degree. This option is also available through a six-year curriculum starting as a freshman in high school and continuing through the sophomore year at Odessa College. The vocational option requires two additional courses not reflected in the associate in applied science degree plan.

RN Direct Option-Evening - Associate Degree Level:

The RN Direct Option is designed for students to attend nursing classes and clinicals during evening hours, with the exception of the psychiatric clinicals, which will be offered during daytime hours. Classes are admitted in the fall of even numbered years. Successful completion qualifies the student as a candidate for application to take the National Council for Licensure Examination for the RN. The vocational option is available during the day to the Evening Option student.

Transition/Validation Option for the LVN - Associate Degree Level:

The Transition/Validation Option is designed for persons who are already licensed vocational nurses. The validation course is the initial course which serves to validate and enhance nursing skills. This brings the LVN to the level of the generic nursing student entering the second year of the RN Associate Degree Nursing Program. Upon successful completion of this course, the LVN will receive 17 hours of advanced credit. Successful completion of the second year qualifies the student as a candidate for application to take the National Council for Licensure Examination for the RN.

RN Tech-Prep Career Ladder Option:

The Tech-Prep Career Ladder option provides a six-year curriculum for nursing students, starting with the freshman year in high school and continuing through the sophomore year at Odessa College. It provides a variety of competencies and advanced work in nursing not possible to obtain in two years. These students will have the flexibility to progress through the Career Ladder Option. The vocational option requires two additional courses not reflected in the associate in applied science degree plan.

Nurse Tech i Option:

The Nurse Tech I Option is designed for students who complete NURS 1503 and NURS 1504 with a grade of "C" or higher to receive a certificate of completion and to be eligible for application to the registry for the state of Texas as a nurse aide.

Post RN Option:

The Post RN Option provides the student with advanced nursing skills. Four electives (NURS 2341, NURS 2342, NURS 2343 and NURS 2344) may transfer and articulate toward a bachelor of science in nursing degree. The student will receive a certificate of completion.

LVN Option, Andrews and Kermit Extensions:

The LVN Option is designed for those students who wish to complete their education at the vocational level. Successful completion of the vocational level qualifies the student as an eligible candidate to take the National Council for Licensure Examination for PN. The student will receive a certificate of completion.

The associate degree program is accredited by the Board of Nurse Examiners for the State of Texas and the National League for Nursing. The vocational programs are accredited by the Board of Vocational Nurse Examiners for the State of Texas. Curriculum plans are approved by the Texas Higher Education Coordinating Board.

Admission Requirements for the Career Ladder Option, RN-Evening Option, Transition/Validation for the LVN, and the Tech-Prep/Career Ladder Option:

- Applications must be submitted by: March 1 for fall admission.
 October 1 for spring admission.
- 2. Persons who have been convicted of a felony or misdemeanor or who have a history of substance abuse must request a declaratory order from the Board of Nurse Examiners for the State of Texas prior to admission. Information and documentation must be submitted to the board prior to application for licensure. Eligibility for licensure will be decided by investigation. Persons who have been convicted of a felony will not qualify as an eligible candidate to take the National Council for Licensure Examination (NCLEX) Practical Nurse (PN).
- 3. Prerequisites:
 - BIOL 2401, Anatomy and Physiology I (must have completed within last five years.)
 BIOL 2402, Anatomy and Physiology II (must have completed within last five years.)
 MATH 1332 Structures of College Mathematics <u>OR</u> higher level math
 NURS 1201, Pharmacology
- College cumulative GPA 2.0 or higher in all courses.
- Official high school transcript or GED.
- 6. Passed TASP and/or satisfactory scores on ASSET placement tests.
- 7. A score of the 50th percentile or higher on the nursing entrance exam.
- Current CPR Certification in Basic Life Support for Professionals (American Heart Association Course C or Red Cross Basic Life Support for the Professional).
- 9. Proof of health and accident insurance and professional liability coverage.

Admission Requirements for LVN Option, Andrews and Kermit Extensions:

- 1. Official high school transcript or GED.
- College cumulative GPA of 2.0 or higher in all course work.
- 3. A satisfactory score on the Vocational Nursing Entrance Exam.
- Current CPR certification (American Heart Association Course C or American Red Cross Basic Life Support for the Professional).
- Persons who have been convicted of a felony will not qualify as an eligible candidate to take the National Council for Licensure Examination (NCLEX) -Practical Nurse (PN).
- 6. Applications should be submitted no later than May 1 for fall admission.

Although English language proficiency is not required for admission to the nursing options, successful completion of the program necessitates good communication skills in English. There is no discrimination due to age, sex, color, race, cultural or ethnic background, or national origin.

The nursing programs focus on the nursing care of clients with common health problems. Clinical experience is concurrent within each course and includes medical, surgical, obstetrical, pediatric, psychiatric, geriatric nursing experiences and special selected services. All courses in the curriculum are required. A general education course may be required prior to some nursing courses.

Students must complete the outcome competencies for each level with a minimum of "C" in nursing courses and general education courses before progressing to the next semester. A grade of "D" or "F" is unacceptable. Students must maintain a cumulative GPA of 2.0 or above in all course work each semester.

Nursing students are required to maintain coverage in health and accident insurance. Professional liability insurance is mandatory.

Nursing students are responsible for their own transportation to clinical facilities. The nursing department assumes no responsibility for students employed in an agency. Students are personally responsible and liable for any activity participated in while employed. Professional liability insurance purchased by students is valid in the student role and not in the employment role.

RN - Career Ladder Option - Vocational/Associate Degree Level

The Career Ladder Nursing Option is designed to allow adult students who did not enter the high school program maximum flexibility in education. They have the option of progressing through the two levels of nursing. The vocational level prepares the vocational nurse, and the associate-degree level prepares the associate degree nurse. All nursing students must have current CPR certification and are governed by policies in the Nursing Student Handbook.

Certificate of Completion

*	,	Semester Hrs
D re	orequisite/Bridge Courses	
(BIOL 2401 Anatomy and Physiology I	4 4
	NURS 1201 Pharmacology	2
	First Year	
Sur	mmer Session II NURS 1102 Adult Assessment	1
É	*PHED 1100 Lifestyle Assessment and Modification	3
Fire	st Semester	
	PSYC 2308 Child Psychology	5
	NURS 1504 Fundamentals of Nursing Practicum	5
Sec	cond Semester COSC 1301 Introduction to Computer Systems	2
_	COSC 1301 Introduction to Computer Systems	3 3
	NURS 1805 Care of Adult Populations	8
Sur	mmer Sessions I and II	
_	**NURS 1222 Nursing Practicum II	2
**V	**NURS 1821 Nursing Care Iocational level (These courses are optional.)	8
Stu	idents who successfully complete the vocational level with a cumulative Gi	PA of 2.0 or
	ter in all course work are eligible to take the state board examination for lic cational nurse and receive a certificate of completion.	ensure as a

Second Semester

100	<u>Second Year</u> Semester H
	t Semester BIOL 2420 Microbiology
	ond Semester GOVT 2301 U.S. and Texas Government
	l Hours72
Stud	lents planning to enter the associate-degree level may take an additional academic se from the curriculum for the second year.
Stud boal	dents successfully completing the associate-degree level are eligible to take the state of decamination for licensure as a registered nurse.
*PH	ED 1100 should be the first activity course taken in physical education.
	RN Associate Degree Nursing Program-Evening Option
Scient Nurs expe mus curri Nurs	The Odessa College RN Evening Option offers adult students who did not enter the school program a sequence of evening classes leading to an associate in applied nce degree and preparation to take the licensing examination for a registered nurse, sing courses begin in the fall semester of even numbered years. Psychiatric clinical priences may be held-during day hours. Prior to entering the nursing courses, the stude thave completed the prerequisite/bridge course requirements designated in the culum and be currently certified in CPR. All students are governed by policies in the sing Student Handbook. The vocational nursing courses are available to the Evening on students during the day.
_	Semester H
	equisite/Bridge Courses 34 BIOL 2401 Anatomy and Physiology I 4 ENGL 1301 Composition and Rhetoric 3 MATH 1332 Structures of College Mathematics I or higher level math 3 *PHED 1100 Lifestyle Assessment and Modification 1 SPCH 1315 Public Speaking 3 BIOL 2402 Anatomy and Physiology II 4 COSC 1301 Introduction to Computer Systems 3 PHED one-hour activity course 1 PSYC 2308 Child Psychology 3 BIOL 2420 Microbiology 3 BIOL 2420 Microbiology 4 GOVT 2301 U.S. and Texas Government 3 NURS 1201 Pharmacology 2
	First Year
	Semester Head

	Summer Session I and II **NURS 1222 Nursing Practicum II
	**Vocational level (These courses are optional.) Third Year
	Semester Hrs
	First Semester NURS 2807 Nursing Care of Select Populations I8
	Second Semester NURS 2808 Nursing Care of Select Populations II8
181	Total Hours72
***	*PHED 1100 should be the first course taken in physical education.
	Transition/Validation Option for the LVN - Associate Degree Level
	Prior to taking the transition/validation course, licensed vocational nurses must be licensed to practice nursing in the state of Texas. Upon successful completion of the transition/validation course, students will follow the curriculum for the upper level of the
j	career ladder program. All nursing students must have current CPR certification and are governed by policies in the Nursing Student Handbook.
	Semester Hrs
	Prerequisite Courses BIOL 2401 Anatomy and Physiology I
_	First Year
	First Semester ENGL 1301 Composition and Rhetoric
5	Second Semester BIOL 2420 Microbiology4 NURS 2807 Nursing Care of Select Populations I8
	Second Year
	First Semester GOVT 2301 U.S. and Texas Government
	PHED one-hour activity course1
	*When students have successfully completed NURS 1601, they are eligible to enter the second year of the curriculum.
Ž	**PHED 1100 should be the first activity course taken in physical education.

RN Tech Prep/Career Ladder Option

Adult students who did not follow the RN Tech Prep/Career Ladder option during high school should follow either the RN Career Ladder option found on page 195 or the RN Evening option found on page 196.

Semester Hrs
*Prerequisite Courses
* Graduates of the high school tech-prep nursing program will have completed the prerequisite courses or equivalent competencies prior to graduation.
First Year
Summer Session II NURS 1102 Adult Assessment
First Semester ENGL 1301 Composition and Rhetoric
Completers of NURS 1503 and 1504 with a grade of "C" or higher are eligible to receive a certificate of completion as a Nurse Tech I and are eligible for employment at the aide level.
Second Semester NURS 1306 Nursing Practicum I
Summer Sessions I and II NURS 1222 Nursing Practicum II
Completers of NURS 1821 with a grade of "C" or higher are eligible to (a) receive an LVN certificate of completion, (b) take the state board examination for licensure as a vocational nurse, and (c) enter the associate-degree level without completion of NURS 1601.
Second Year Semester Hrs
First Semester BIOL 2420 Microbiology
Second Semester GOVT 2301 U.S. and Texas Government
Students successfully completing the associate-degree level program are eligible to receive an associate degree in nursing and take the state board examination for licensure as a registered nurse. Academic courses listed in the second year may be taken earlier if the student's schedule and abilities allow.

LVN Option - Andrews and Kermit Extensions

The LVN Option is offered at the Andrews and Kermit extension sites. It is designed for those students who wish to complete their education at the vocational level. Successful completion of the vocational level qualifies the student as an eligible candidate to take the National Council for Licensure Examination for PN. The student will receive a certificate of completion from Odessa College.

	Semester Hrs
First Semester NURS 1611 Vocational Nursing I NURS 1612 Vocational Nursing II	6
NURS 1612 Vocational Nursing II	6
Second Semester NURS 1613 Vocational Nursing III	6
Summer Session NURS 1615 Vocational Nursing V	

Nursing Courses

NURS 1102 Adult Assessment

Prepares the student with knowledge and skills concerning the overall performance of a complete physical examination of the adult client. Establishes expertise in obtaining a thorough client history. Utilizes problem solving as a basis for decision making in nursing practice. Acquires proficiency in documenting the data collected during history taking and assessment process. (SCANS 1,2,5,6,9,10,11) Prerequisites: BIOL 2401 and 2402.

NURS 1201 Pharmacology

Prepares the student to identify pharmacological classifications of medications, usage, side effects and toxic effects. Using dimensional analysis, the student performs drug dosage calculations for administration of medications and monitoring of intravenous solutions for clients. (SCANS 1,2,3,6,9) Prerequisites: BIOL 2401 and BIOL 2402.

NURS 1222 Nursing Practicum II

NURS 1306 Nursing Practicum I

NURS 1503 Fundamentals of Nursing

NURS 1504 Fundamentals of Nursing Practicum

NURS 1601 Transition/Validation

NURS 1611 Vocational Nursing I

NURS 1612 Vocational Nursing II

NURS 1613 Vocational Nursing III

NURS 1614 Vocational Nursing IV

NURS 1615 Vocational Nursing V

NURS 1805 Care of Adult Populations

NURS 1821 Nursing Care

NURS 2341 Legal/Ethical Issues (Elective)

NURS 2342 Physical Assessment (Elective)

NURS 2343 Rural/Home Health Nursing (Elective)

NURS 2344 Critical Care Nursing (Elective)

NURS 2807 Nursing Care of Select Populations

NURS 2808 Nursing Care of Select Populations II

Occupational Safety and Health Technology

This program is pending Texas Higher Education Coordinating Board approval.

Faculty: J.D. Roberts, chair; Lynn Reese.

The occupational safety and health technology degree is designed for people entering the safety and/or environmental department within their company or for those who seek employment in this demanding field. The two-year program is designed to equip the safety/environmental professional with the tools needed to keep his/her company in compliance with current regulatory agencies and to create a safe and healthy work environment for all employees.

Course of Study for Associate in Applied Science Degree Occupational Safety and Health Technology

	Semester Hours
General Education Requirements	23
BIOL 2306 General Ecology OR GEOL 1403 Physical Geology	3
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government	3
MATH 1314 College Algebra OR	
MATH 1371 College Algebra for Business OR	
MATH 1372 Technical College Algebra	3
PSYC 2302 Applied Psychology	3
PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking OR	
SPCH 1321 Business and Professional Speech	3
Major Requirements	36
OSHA 1300 Industry Overview	
OSHA 1305 Introduction to Safety and Health	
OSHA 1310 Instrumentation and Analysis	
OSHA 1315 Process Safety Management	
OSHA 1320 Industrial Hygiene	3
OSHA 2377 Cooperative Work Experience	
OSHA 2390 Environmental Regulations	
OSHA 2393 Safety Assessment	
OSHA 2395 Industrial Safety	3
OSHA 2396 Hazardous Waste and Emergency Response	3
OSHA 2398 Environmental Issues	3
*OSHA or PETR Elective (any OSHA or PETR course not required)	3
Related Requirements	
EMED 1501 Emergency Care of the Sick and Injured	
PETR 1380 Computers for Petroleum	3
Total Semester Hours	67
I AMI Adiliand I IAMIS	1000geeeaacaaaa W E

*Students will choose from the following pool of courses depending on their individual and local industry needs: PETR 1301 Basic Oitfield Hydraulics, PETR 1302 Rotary Drilling Rig Equipment, PETR 1370 Petroleum Instrumentation, PETR 2331 Natural Gas Processing, PETR 2340 Refining Methods, PETR 2350 Pipelining, PETR 2382 Well Stimulation Methods, PETR 2383 Chemical Treating in Production Operations, PETR 2388 Artificial Lift and PETR 2389 Gas and Liquid Measurement.

Course of Study for Certificate of Technology Occupational Safety and Health Technology

Semester Hours
General Education Requirements
Major Requirements 21 OSHA 1300 Industry Overview 3 OSHA 1305 Introduction to Safety and Health 3 OSHA 1310 Instrumentation and Analysis 3 OSHA 2377 Cooperative Work Experience 3 OSHA 2395 Industrial Safety 3 OSHA 2396 Hazardous Waste and Emergency Response 3 OSHA 2398 Environmental Issues 3
Related Requirements
Total Semester Hours30
Occupational and Safety and Health Technology Courses OSHA 1300 Industrial Overview
(3-0)
Competencies include information and skills regarding overall intent and proper procedures in a variety of different industry technologies: exploration, drilling, production, transportation, marketing and refining. The student will be able to apply skills to prioritize activities and reason the relationship between finding oil and gas and transporting it to the refinery. Students will be responsible for reading and analyzing charts and diagrams and calculating downhole volumes, displacements and pressures. (SCANS 1,3,4,6,8,9) Prerequisite: None.
OSHA 1305 Introduction to Safety and Health
(3-0)
OSHA 1310 Instrumentation and Analysis
(3-0)
OSHA 1315 Process Safety Management
(3-0)

OSHA 1320 Industrial Hygiene

OSHA 2377 Cooperative Work Experience

OSHA 2390 Environmental Regulations

OSHA 2393 Safety Assessment

OSHA 2395 Industrial Safety

OSHA 2396 Hazardous Waste and Emergency Response

OSHA 2398 Environmental Issues

Designed for industrial, manufacturing and technical workers where state/federal regulations require industrial safety training. Course competencies include critical safety and environmental issues in business and industry as well as related regulations and proper responses. Course covers RRC and SWR, related to drilling, production, waste prevention, pollution and public safety. Students will be required to exhibit problemsolving, self-management and communication skills while working within a safety environmental team. Within this team environment, students will be responsible for effective allocation of resources and group monitoring of team decisions. (SCANS 4,5,6,7,8,9,10,11) Prerequisite: None.

Office Systems Technology

Faculty: Nancy Stewart, chair; Tambi Amold, Billie Duncan.

The office systems technology program is designed to provide students with an intensive training in up-to-date technological skills for immediate employment in the business or medical office. The program also offers students the opportunity to upgrade their skills in the most recent software in order to obtain better employment.

The office systems technology associate in applied science degree is offered with an emphasis in office systems technology or medical. This degree provides students with a broad knowledge of office procedures and applications in the computer and other automated equipment.

Course of Study for Associate in Applied Science Degree Office Systems Technology

Students not graduating under the tech-prep high school graduation plan must take the 14 semester hours marked with an (*) as part of the office systems technology curriculum—articulation, advanced standing exam, approval of department chair, or regular enrollment at OC.

	Semester H
General Education Requirements	14
ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government OR	
GOVT 2302 American National Government	3
MATH 1314 College Algebra OR	
MATH 1324 Mathematical Analysis for Business OR	
MATH 1371 College Algebra for Business OR	
MATH 1372 Technical College Algebra	3
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking OR 1321 Business and Professional Speed	
Major Requirements	44
OFST 1321 Beginning Keyboarding OR OFST 1322 Intermediate Keyboarding	arding3
OFST 1322 Intermediate Keyboarding OR OFST 2304 Advanced Keyboarding	arding3
OFST 1401 Data Entry/Business Calculations	4
OFST 1402 Business Language Skills	
*OFST 1404 Beginning Word Processing	4
OFST 1406 Basic Spreadsheet	4
*OFST 1424 Office Bookkeeping	4
OFST 2377 Cooperative Work Experience	3
OFST 2304 Advanced Keyboarding OR OFST 2402 Information Process	ina 2
OFST 2401 Advanced Word Processing	
OFST 2420 Business Communication	
OFST 2421 Office Procedures	4
UI GI 2721 UNICO FICCOUCIOS	4

*	OFST 2421 Office Procedures9
_	BUSI 1301 Introduction to Business3
	*COSC 1301 Introduction to Computer Systems
	Total Semester Hours67
	*PHED 1100 should be the first course taken in physical education.
	Course of Study for Certificate of Technology
	Level I certificates are TASP-waived.
	<u>Level I - Office Clerk</u> Semester Hrs
	Major Requirements15
4	*OFST 1321 Beginning Keyboarding OR OFST 1322 Intermediate Keyboarding3 OFST 1401 Data Entry/Business Calculations
	(If taking OFST 1321, delay until second semester and take OFST 1402)) *OFST 1424 Office Bookkeeping4
	Related Requirements
	Total semester hours18
	A total of 18 semester hours and a grade point average of 2.0 are required for a level I certificate.
	*Indicates courses which may be articulated by agreement with high school.
	Level II - Office Assistant
	The 18 semester hours specified in level I certificate plus the following courses:
	Semester Hrs
	Major Requirements
	OFST 1402 Business Language Skills4
_	OFST 1406 Basic Spreadsheet4
i i	OFST 2401 Advanced Word Processing
F	OFST 2304 Advanced Keyboarding OR OFST 2402 Information Processing4 OFST 2420 Business Communications
_	OFST 2421 Office Procedures4
***	Related Requirements
	TMTH 1370 Technical College Mathematics or higher level math
	Total Semester Hours50-51
	A total of 50-51 semester hours and a grade point average of 2.0 are required for a level II certificate.
*	Level III (Advanced Skills Certificate) Office Technology Specialist
	, , , , , , , , , , , , , , , , , , ,
	Students may earn a level III certificate—advanced skills certificate—office technology specialist by completing the following requirements.
*	Semester Hrs Major Requirements8
	OFST 2402 Information Processing OR OFST 2404 Desktop Publishing4

**PHED 1100 should be the first course taken in physical education.

A total of 68 semester hours and a grade point average of 2.0 are required for associate in applied science degree.

^{*}Indicates courses which may be articulated by agreement with high school.

*Indicates courses which may be articulated by agreement with high school. Course of Study for Certificate of Technology Options

Level I certificates are TASP-waived.

Level I - Medical Office Clerk

	COYOL T - MOCICAL OTHER CICIA	0
	Major Requirements	ding3 4 4 2)
	*OFST 1424 Office Bookkeeping *Related Requirements *COSC 1301 Introduction to Computer Systems	3
	Total Semester Hours	
	A total of 18 semester hours and a grade point average of 2.0 are required for certificate—medical office clerk.	a level I
	*Indicates courses which may be articulated by agreement with high school.	
78	Level II - Medical Office Assistant The 18 semester hours specified in level I certificate plus the following courses	s :
		Semester Hrs
老	Major Requirements	
¥	OFST 1101 Computerized Medical Recordkeeping (4 weeks)	1
_	OFST 1207 Medical Terminology (8 weeks)	2
	OFST 1208 Medical Insurance Coding (8 weeks)	2
- 30	OFST 1217 Beginning Medical Transcription (8 weeks)	2
	OFST 1322 Intermediate Keyboarding OR	
•	OFST 2304 Advanced Keyboarding OR	
	OFST 2417 Advanced Medical Transcription	3
	OFST 1402 Business Language Skills	4
	OFST 1406 Basic Spreadsheet	4
180	OFST 2401 Advanced Word Processing	4
	OFST 2420 Business Communication	4
_	OFST 2421 Office Procedures	4
E	Related Requirements	
	SPCH 1315 Public Speaking OR	_
	SPCH 1321 Business and Professional Speech	3
養	TMTH 1370 Technical College Mathematics or higher level math	3
	Total Semester Hours	54
	A total of 54 semester hours and a grade point average of 2.0 are required for	a certificate of
	technology—medical office technology specialist.	·
	0, -p	
	Level III (Advanced Skills Certificate) Medical Office Technology Sp	<u>pecialist</u>
_	OFST 2232 Medical Office Procedures/Records (8 weeks)	2
養	OFST 2417 Advanced Medical Transcription	4
凝	OFST 2402 Information Processing	
_		
	Total Semester Hours	10
	A total of 10 semester hours and grade point average of 2.0 are required for le	vel III
	advanced skills certificate—medical office technology specialist.	
		

Office Systems Technology Courses

OFST 1100 Basic Keyboarding Skills (1-2) [7 weeks] 1 hour Student will develop a functional skill in touch-method keyboarding on alphanumeric keyboard, including numbers and symbols. Designed for student desiring minimal keyboard skills (approximately 20 wpm) or wanting keyboard review. Will develop skills in reading instructions and accessing keyboarding programs. (SCANS 1,4,10) Lab fee required. Prerequisite: None. **OFST 1101 Computerized Medical Recordkeeping** (1-5) [4 weeks] 1 hour Student will develop ability to operate a computer system in a medical/dental office. Hands-on experience to demonstrate competency using basic calculations to determine patient billing and to demonstrate ability to follow instructions/procedures for patient billing and patient recordkeeping will be provided. (SCANS 1,3,9,11) Prerequisite: None. **OFST 1207 Medical Terminology** (5-0) [8 weeks]2 hours Student will demonstrate the acquisition of a basic medical vocabulary, develop listening and learning skills, and will prepare and interpret basic reports used in a typical hospital or medical office. (SCANS 1,2,6,9,11) Prerequisite: None. **OFST 1208 Medical Insurance Coding** (5-0) [8 weeks]2 hours Student will demonstrate the ability to code medical forms, including patient chart, diagnoses, and office procedures. Will combine coding skills with organizing, analyzing, evaluating health data for completeness and accuracy; answering legal, governmental and insurance company inquiries; and communicating with patients. (SCANS 1,2,4,5,6,9,10) Prerequisite: OFST 1207 or equivalent. **OFST 1217 Beginning Medical Transcription** Student will demonstrate skill in transcribing some basic reports used in a typical hospital or medical office. Provides transcription of actual dictation by doctors. Lab fee required. (SCANS 1,6,8,9,11) Prerequisite: OFST 1207, OFST 1322 or equivalent, type 50 wpm, some word processing background or consent of department chairperson. **OFST 1321 Beginning Keyboarding** (2-3)3 hours Student will demonstrate touch-method skills on an electronic typewriter and a computer including numbers, symbols, and service mechanisms. Demonstrate competency to produce business letters, reports, tabulations, and other business documents. Designed for beginning typists or students with minimal typing skills. Lab fee required. (SCANS 1,6,8) Prerequisite: None. **OFST 1322 Intermediate Keyboarding** (2-3) 3 hours Student will develop additional keyboarding skills including composing and processing documents—business letters, reports, and tabulation materials—on the computer and the electronic typewriter. Student will demonstrate responsibility in following instructions and in practicing time management. Lab fee required. (SCANS 1,2,3,6,8,10) Prerequisite: OFST 1321 or equivalent. **OFST 1401 Data Entry/Business Calculations** (10-key approach) and the computer. Student will demonstrate skill in percents, equations, discounts, net value and other business calculations using a variety of techniques. Will demonstrate ability to work with speed and accuracy while problem

solving and doing data entry. (SCANS 1,3,4,8,9) Prerequisite: None.

OFST 1402 Business Language Skills

OFST 1404 Beginning Word Processing

OFST 1406 Basic Spreadsheet

OFST 1424 Office Bookkeeping

OFST 2232 Medical Office Procedures/Records

OFST 2304 Advanced Keyboarding

OFST 2377 Cooperative Work Experience

statements. Various computerized programs will be used including spreadsheet and bookkeeping programs used by businesses. (SCANS 3,6,8,9) Prerequisite: OFST

1406, OFST 1321 or equivalent, OFST 1424.

Orientation

Faculty: Terri Pease, lead counselor; Rodney Hernandez, LaRae Phillips, Mike Tincher, Rena Ventura-Jackson.

Orientation to Odessa College (ORIE 1100) is designed to assist those new to college in gaining the knowledge necessary to function effectively in a college environment. It covers the policies, rules, regulations and services provided to students as well as the state-mandated TASP requirement. First-time students who enroll in nine or more semester hours during their first semester at Odessa College are required to enroll in ORIE 1100.

ORIE 1100 Orientation (24.0102.5140)

Petroleum Technology

Faculty: J. D. Roberts, chair; Lynn Reese.

The Odessa College petroleum technology program is designed for people entering the industry for the first time and for employees in the industry who want to upgrade their skills. The two-year program is suggested for men and women who plan to work for producers, manufacturers, service firms or supply firms. New students are encouraged to meet with the department chair prior to registration.

Course of Study for Associate in Applied Science Degree Petroleum Technology

Se Se	mester H
General Education Requirements	17
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric OR ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government	3
MATH 1314 College Algebra OR	
MATH 1372 Technical College Algebra OR	
MATH 1371 College Algebra for Business	3
PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking OR SPCH 1321 Busines and Professional Sp	eech 3
• •	
Major Requirements	30
PETR 1300 Petroleum Overview	
PETR 1310 Rotary Drilling Fluids	3
PETR 1311 Well Completion Methods	3
PETR 1320 Production Methods	3
PETR 1380 Computers for Petroleum	3
PETR 2310 Drilling Methods	3
PETR 2325 Well Workover Methods	3
PETR 2360 Corrosion	3
PETR 2377 Cooperative Work Experience	3
PETR 2390 Petroleum Regulations	
*Petroleum Electives (Any PETR course not required)	

214	
Related Requirements	9
OSHA 2395 Industrial SafetyOSHA 2396 Hazardous Waste and Emergency Response	3
OSHA 2396 Hazardous vvaste and Emergency Hesponse	
Total Semester Hours	
*Students may choose from the following pool of courses depending on their l needs: PETR 1301 Basic Olifield Hydraulics, PETR 1302 Rotary Drilling Rig I PETR 2350 Pipelining), PETR 2382 Well Stimulation, PETR 2383 Chemical T Production Operations and PETR 2388 Artificial Lift.	Equipment,
Certificates of technology are available in the following job-specific fields. See chair for course requirements and Permian Basin job opportunities.	the program
Certificate of Technology Options	
Level I certificates are TASP-waived.	•
Level I - Well Head Pumper	
M. L	Semester Hrs
Major Requirements ENGL 1312 Report Writing	3 🕿
PETR 1300 Petroleum Overview	3
PETR 1320 Production Methods	
PETR 1380 Computers for Petroleum	
PETR 2325 Well Workover Methods	
PETR 2360 Corrosion	
PETR 2388 Artificial Lift	3
TMTH 1370 Technical College Mathematics OR higher level math	
Total Semester Hours	24
Level I - Gas Compressor Operator	
EATOTT GIVE COMPLEASED SPECIAL	Semester Hrs
Major Requirements	•
ENGL 1312 Report Writing	
PETR 1300 Petroleum Overview	
PETR 2331 Netural Goo Brossosian	
PETR 2331 Natural Gas Processing PETR 2389 Gas and Liquid Measurement	3
OSHA 2398 Environmental Issues	3
TMTH 1370 Technical College Mathematics OR higher level math	3
Total Semester Hours	
Level I - Gas Plant Operator	3
Major Pogujimmente	
Major Requirements	Semester Hrs
PETR 1300 Petroleum Overview	_
PETR 1300 Petroleum Overview	3
PETR 1380 Computers for Petroleum PETR 2331 Natural Gas Processing	3 3
PETR 1380 Computers for Petroleum PETR 2331 Natural Gas Processing PETR 2360 Corrosion	3 3 3
PETR 1380 Computers for Petroleum	3 3 3 3
PETR 1380 Computers for Petroleum	3 3 3 3 3
PETR 1380 Computers for Petroleum PETR 2331 Natural Gas Processing PETR 2360 Corrosion PETR 2389 Gas and Liquid Measurement OSHA 2398 Environmental Issues ENGL 1312 Report Writing	3 3 3 3 3
PETR 1380 Computers for Petroleum	3 3 3 3 3 3 3

	Level I - Refinery Panel Operator
	Major Requirements Semester Hrs
建	ENGL 1312 Report Writing
	PETR 1380 Computers for Petroleum
	Total Semester Hours21
Server Server	Petroleum Technology Courses
•	PETR 1300 Petroleum Overview
	(3-0)
	displacements and pressures. (SCANS 4,6,8,9) Prerequisite: None.
ACTION .	PETR 1301 Basic Oilfield Hydraulics (3-0)
£	(SCANS 3,6) Prerequisite: PETR 1300 or consent of the department chair. PETR 1302 Rotary Drilling Rig Equipment
	(3-0)
	PETR 1310 Rotary Drilling Fluids
	(3-0)
*	PETR 1311 Well Completion Methods
发	(3-0)
	PETR 1320 Production Methods (3-0)

PETR 1370 Petroleum Instrumentation (3-0)
PETR 1380 Computers for Petroleum (3-0)
PETR 2310 Drilling Methods
(3-0)
PETR 2325 Well Workover Methods (3-0)
PETR 2331 Natural Gas Processing
(3-0)
PETR 2340 Refining Methods
(3-0)
PETR 2350 Pipelining
(3-0)
PETR 2360 Corrosion
(3-0)

PETR 2377 Cooperative Work Experience A capstone course designed to interrelate academic and vocational course lectures and labs with business and industry and work experiences. Under supervision of college faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal, interpersonal and problem solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate (SCANS 5,7,9,10,11) Prerequisite: Consent of the department chair. PETR 2382 Well Stimulation Methods (3-0)3 hours Presents detailed competencies of well stimulation. Student will make necessary calculations and decisions to acidize or fracture a formation. Emphasis will be on the Permian Basin. (SCANS 3,6,8,9) Prerequisite: PETR 1300 or consent of the department chair. **PETR 2383 Chemical Treating in Production Operations** Student will learn the competencies necessary to treat all areas of production. Demonstrations in the laboratory using chemicals will help student to determine which treatment will best suit a particular application. (SCANS 3,6,8,9) Prerequisite: PETR 1300 or consent of the department chair. **PETR 2388 Artificial Lift** Designed for students who have completed production methods and for individuals who want to further their knowledge of various lift systems. Competencies stress practical aspects of artificial lift in conventional production systems. Includes such topics as sucker rod pumps, tubing and rod strings, tubing anchors, beam pumps, gas lift and submersible pumping systems, wellheads and equipment involved in secondary recovery systems. (SCANS 6,7,8) Prerequisite: PETR 1300 or consent of the department chair. PETR 2389 Gas and Liquid Measurement Competencies include accuracy, quality and validity of gas and liquid measurement techniques for field and plant operating personnel. Emphasizes correct techniques of measurement and proper procedures to correct errors. (SCANS 3,6,9) Prerequisite: PETR 1300 or consent of the department chair.

Covers all pertinent regulatory requirements and strictures affixed to the petroleum industry by agencies such as the RRC, DOT, FERC, DOE, and OSHA. The student will interpret and analyze the effects of such rulings and prepare the proper responses. (SCANS 1,2,6,9) Prerequisite: PETR 1300 or consent of the department chair.

PETR 2390 Petroleum Regulations

Photography

Faculty: Steve Goff, chair.

Odessa College's photography program provides quality photo education for all members of the community. Photo students explore professional and artistic aspects of this visual medium by training in the basics of photography as a subject, a profession and a technology. A variety of courses are offered, including development of black and white, commercial technique, professional portraiture, color, the history of photography and areas of independent study. Opportunities are provided for students to exercise their creative talents. Upon completion of the photo curriculum, students will be prepared for continued studies at a university or entry-level positions in the photographic industry. While limited equipment and some scholarships are available for those considering photography as a major, the department welcomes all students.

Course of Study for Associate in Applied Science Degree Photography

Filotography	
	Semester H
General Education Requirements	
ACCT 1370 Elementary Accounting	
ARTS 1311 Design I	
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric	3
GOVT 2301 U.S. and Texas Government OR	
GOVT 2302 American National Government	
MATH 1332 Structures of College Mathematics OR higher level math	
*PHED (any two one-hour activity courses)	
PSYC 2302 Applied Psychology	3
SPCH 1321 Business and Professional Speech	3
Elective	_
EIGCUY	3
Major Requirements	35
**COMM 1307 Introduction to Mass Communication	3
**COMM 1318 Basic Photography I	3
**COMM 1319 Basic Photography II	
PHOT 1361 Photo Lab Technique I	
PHOT 1362 Photo Lab Technique II	3
PHOT 2200 Print Finishing & Negative Retouching OR	
PHOT 2390 Graphics	2
PHOT 2360 Expressive Photography	
PHOT 2370 History of Photography	
PHOT 2371 Color Photography I	. 3
PHOT 2372 Color Photography II	3
PHOT 2377 Cooperative Work Experience	
PHOT 2380 Photographic Problems	
Total Semester Hours	64

^{*} PHED 1100 should be the first course taken in physical education.

^{**} Courses listed with COMM prefix may be found in the Mass Communication section of the catalog.

Course of Study for Certificate of Completion Level I certificates are TASP-waived.

Level I - Photo Lab Assistant

凝滞	Semester	Hrs
Ş	General Education Requirements6	
	COSC 1301 Introduction to Computer Systems	
	PSYC 2302 Applied Psychology3	
200	Major Requirements12	
į	**COMM 1318 Basic Photography I	
	**COMM 1319 Basic Photography II	
ı	PHOT 1361 Photo Lab Technique I	
District of the last	PHOT 1362 Photo Lab Technique II	
I	Total Semester Hours18	
į	Level I - Commercial Studio Assistant	
(co)	Semester Semester	Hrs
F	General Education Requirements12	
	COSC 1301 Introduction to Computer Systems	
1	ENGL 1301 Composition and Rhetoric	
	PSYC 2302 Applied Psychology	
	·	
	Related Requirements3	
ĺ	ARTS 1311 Design I	
	Major Requirements12	
	**COMM 1318 Basic Photography I	
	**COMM 1319 Basic Photography II	
1	PHOT 2311 Commercial Photography I	
	PHOT 2312 Commercial Photography II	
ı	Total Semester Hours	
and a second	Level I - Portrait Studio Assistant Semester	Hrs
•	General Education Requirements12	
	COSC 1301 Introduction to Computer Systems3	
į	ENGL 1301 Composition and Rhetoric	
	PSYC 2302 Applied Psychology3	
1	PSYC 2302 Applied Psychology	
	Related Requirements3	
Į	ARTS 1311 Design I	
	•	
ļ	Major Requirements	
	**COMM 1318 Basic Photography I	
ļ	PHOT 2331 Portrait Photography I	
	PHOT 2332 Portrait Photography II	
}	Total Semester Hours	
	** Courses listed with COMM prefix may be found in the Mass Communication section of the catalog.	7

Photography Courses

PHOT 1361 Photo Lab Technique I

PHOT 1362 Photo Lab Technique II

PHOT 2200 Print Finishing and Negative Retouching

PHOT 2311 Commercial Photography I

PHOT 2312 Commercial Photography II

PHOT 2331 Portrait Photography I

PHOT 2332 Portrait Photography II

PHOT 2360 Expressive Photography

PHOT 2370 History of Photography

PHOT 2371 Color Photography I

PHOT 2372 Color Photography II

PHOT 2377 Cooperative Work Experience

PHOT 2380 Photographic Problems

PHOT 2390 Graphics

The course applies the principles of planning design and layout of photographic images used in photo conversions for graphic arts. Students will select and choose a variety of image-capture devices including both digital and traditional methods. Computer scanning techniques include image control, manipulation and enhancement of photographs and line art plus the importing and exporting of text and graphics from multiple sources. (SCANS 4,8) Lab fee required. Prerequisites: COMM 1319; TASP competency in reading, writing, and math or consent of instructor.

Physical and Health Education

Faculty: Betty Hudson, chair; Jim Carlson, Karin Carlson, Tommy Darland, Kenneth Hines, Pat Hodges, Scott Walkinshaw, Rick Zimmerman.

Physical education is the sum of all those changes that take place in individuals as the result of movement experience.

The principal objectives of this department are as follows: (1) to develop the students' neuromuscular skill and organic system through movement experiences, (2) to increase the students' knowledge, insight, understanding and interest in movement experiences and (3) to improve the students' recreational and leisure-time skills as well as their standards of behavior in these selected movement areas.

Since movement is the medium through which this department achieves its objectives, students have several opportunities to select those movement experiences (from 34 different areas in the physical education curriculum) that will best contribute to their well-being, their leisure-time skills and to their total educational development. The physical education department offers two options for the associate degree.

Course of Study for Associate in Science Degree Exercise and Sport Science Option

	Semester Hrs
General Education Requirements	44
**BIOL 1406 General Biology I	4
BIOL 1407 General Biology II	4
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophornore level)	6
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
MATH 1314 College Algebra OR higher level math	3
MATH 1342 Mathematical Statistics OR higher level math	3
SPCH 1315 Public Speaking OR SPCH 1321 Business and Professional Elective	
	3
Major Requirements	10
*PHED (any four one-hour activity courses)	4
PHED 1301 Orientation in Health, Physical Education and Recreation	3
PHED 2376 Prevention and Care of Áthletic Injuries	3
***Approved Electives	9
Total Semester Hours	66

**CHEM 1311, CHEM 1312, plus CHEM 1111 and CHEM 1112, may be substituted for BIOL 1406 and BIOL 1407.

***Electives will be selected from the following three-hour classes based on senior institution requirements: PHED 1238, PHED 2278, PHED 1304, PHED 1306, PHED 1308, PHED 1309, PHED 1321, PHED 1322, PHED 1331, PSYC 2301 and SOCI 1301.

Students majoring in exercise and sport science in preparation for a teaching career are required to take four activity classes selected from the following areas:

- One class from Fitness Activities
- One class from Lifetime Activities
- One class from Team Sports
- One class from Aquatics

It is suggested that PHED 1100 be the first course taken in physical education. Competitive athletics courses will not be counted toward the four-activity requirement for exercise and sport science majors.

In addition, it is also recommended that exercise and sport science majors take more than the minimum of four one-hour activity classes in their preparation for a teaching career. Students should consider the requirements of the senior college to which they intend to transfer and plan their junior college scholastic schedule accordingly.

Physical education activity classes meet three hours weekly for one semester-hour credit. An activity class may be repeated once for credit. All physical education activity classes require a lab fee.

Course of Study for Associate in Science Degree Athletic Training Option

	Athletic Training Option				
		Semester Hrs			
\$	General Education Requirements	43			
-	COSC 1301 Introduction to Computer Systems	3			
	BIOL 1406 General Biology I	4			
•	BIOL 1407 General Biology II	4			
3	ENGL 1301 Composition and Rhetoric	3			
ľ	ENGL 1302 Composition and Literature	3			
_	FNGL (Sonhomore Level)	6			
	ENGL (Sophomore Level)	3			
	GOVT 2302 American National Government	3			
	HIST 1301 U.S. History to 1877				
	HIST 1302 U.S. History from 1877				
	MATIL 1014 College Algebra or bishor level moth				
	MATH 1314 College Algebra or higher level math	o			
	*PHED (any two one-hour activity courses)	2			
3	SPCH 1315 Public Speaking OR SPCH 1321 Business and Professional	Speech.3			
_	Elective	3			
	Major Requirements	13			
Ĭ	PHED 1171 Athletic Training Clinical Practicum I	1			
	PHED 1304 Personal and Community Health	3			
	PHED 1306 First Aid	3			
_	PHED 2171 Athletic Training Clinical Practicum II	4			
2	PHED 2171 Aunique Haining Clinical Placticum in				
ŧ	PHED 2278 Nutrition in Exercise and Sport				
•	PHED 2376 Prevention and Care of Athletic Injuries	3			
	**Approved Electives	6			
•	••				
	Total Semester Hours	65			
	*PHED 1100 should be the first course taken in physical education. ** Approved Electives: CHEM 1311, CHEM 1312, BCIS 1401, PHED 1238, F	PHED 1301,			
,	PHED 1331, PSYC 2301 and SOCI 1301.				

The athletic training program is designed to meet the lower level requirements of the National Trainers Association and the state of Texas Licensure Act for Athletic Trainers. The program is a practical education-work experience approach to gaining the knowledge and skills needed to fulfill requirements for national certification as determined by the NATA and Texas state licensure as determined by the Texas Department of Health.

The Odessa College physical education degree option in athletic training is designed to meet the first two-year needs of students interested in pursuing a career in athletic training and meeting the specific educational and practicum requirements outlined by these two organizations.

Fitness Activities

PHED 1100 Lifestyle Assessment and Modification (31.0501.5128) Provides learning opportunities to introduce and maintain higher education health standards. Includes assessment of cardiovascular endurance, muscular strength and endurance, flexibility, body composition, nutrition, stress and blood pressure. Students will select and participate in physical activities which will produce desired physical results. This course culminates with an individualized lifelong wellness plan. Lab fee required. (SCANS 3,4,9,10) Prerequisite: None. PHED 1101 Aerobic Dance (36.0108.5128) (0-3)1 hour À total body conditioning program emphasizing cardiovascular endurance, muscular strength and endurance, flexibility, coordination, and muscle tone. Students will perform basic calculations to determine appropriate target heart rate zones, establish fitness goals, and select appropriate activities to attain those goals. Students will participate in a group project. An exercise log will be kept by class participants detailing time spent in aerobic activities. Students will analyze postural and nutritional habits and be encouraged to initiate healthful lifestyle changes when needed. Includes a preliminary one time, two-hour orientation. Lab fee required. (SCANS 3,4,5,9,10) Prerequisite: None. PHED 1102 Cycling (36.0108.5128) (0-3) ______1 hour Designed to give basic understanding of principles of cycling; includes pedal cadence, shifting, gear ratio, training safety and maintenance. Students will be required to set personal fitness goals and to monitor their progress during the course. Requires special fee. (SCANS 9,10) Prerequisite: None. PHED 1103 Defensive Tactics (36.0108.5128) Includes lectures, demonstrations and practice in basic skills and techniques of a variety of defensive movements and protection methods. Students will learn vulnerable areas of the human body that will enable students to defend themselves against an attacker. Self-confidence and self-management will be enhanced by class participation. Lab fee required. (SCANS 9,10) Prerequisite: None. PHED 1104 Advanced Defensive Tactics (36.0108.5128) (0-3)1 hour Includes lectures, demonstrations and practice in basic advanced techniques of selfprotection as well as striking and delivering a variety of kicks. Self-confidence and self-management will be enhanced by class participation. Lab fee required. (SCANS 9,10) Prerequisite: PHED 1103. **PHED 1105 Gymnastics (36.0108.5128)** (0-3)1 hour Includes instruction in performance of various gymnastics skills on all apparatus. Instruction includes flexibility and strength training as well as spotting techniques. Student will use efficient learning techniques to acquire and apply new knowledge

and skills. Each student will develop self-esteem and self-management skills through participation in this class. Lab fee required. (SCANS 9,10) Prerequisite: None.

PHED 1106 Jogging/Walking (36.0108.5128)

PHED 1107 Judo/Karate (36.0108.5128)

PHED 1108 Physical Conditioning, Aerobic Super Circuit (36.0108.5128)

PHED 1109 Physical Conditioning, Aerobic Super Circuit—Advanced (36.0108.5128)

PHED 1110 Trampoline (36.0108.5128)

PHED 1111 Weight Training (36.0108.5128)

PHED 1112 Adaptive Personalized Fitness (36.0108.5128)

Lifetime Activities

PHED 1116 Badminton (36.0108.5128) (0-3)1 hour			
(0-3)			
PHED 1117 Bowling (36.0108.5128)			
(0-3)			
PHED 1118 Social Dance (36.0114.5130)			
(0-3)			
PHED 1119 Golf (36.0108.5128)			
(0-3)			
PHED 1121 Racquetball (36.0108.5128)			
(0-3)			
PHED 1122 Recreational Sports (36.0108.5128)			
(0-3)			
PHED 1123 Skiing (36.0108.5128)			
(0-3)			
PHED 1124 Tennis, Beginning (36.0108.5128)			
(0-3)			
PHED 1125 Tennis, Advanced (36.0108.5128)			
(0-3)			

Team Sports

PHED 1128 Basketball, Men's (36.0108.5128) (0-3) 1 hour Presents rules of the sport while emphasizing individual and team fundamentals. The class teaches individuals how to contribute to a group effort and how to recognize specific basketball problems and devise strategies to overcome those problems. In addition, participants are encouraged to set individual and team goals and exert effort necessary to accomplish those goals. Lab fee required. (SCANS 5,9,10) Prerequisite: None. PHED 1129 Basketball, Women's (36.0108.5128) (0-3)1 hour Presents rules of the sport while emphasizing individual and team fundamentals. The class teaches individuals how to contribute to a group effort and how to recognize specific basketball problems and devise strategies to overcome those problems. In addition, participants are encouraged to set individual and team goals and exert effort necessary to accomplish those goals. Lab fee required. (SCANS 5,9,10) Prerequisite: None. PHED 1130 Cheerleading (36.0108.5128) (0-3) 1 hour introduces basic skills and techniques of cheerleading such as partner stunts, incorporation of pyramids, safety techniques and jumps. By participating as a team, individuals learn how to cooperate with other team members in solving problems and in motivating a crowd. Performing at athletic events permits the individuals an opportunity to exhibit responsibility as well as to build self-esteem. Lab fee required. (SCANS 5,9.10) Prerequisite: Consent of the instructor. PHED 1131 Football, Touch (36.0108.5128) Presents rules of the sport while emphasizing individual and team fundamentals. The class teaches individuals how to contribute to a group effort and how to recognize specific football problems and devise strategies to overcome those problems. In addition, participants are encouraged to set individual and team goals and exert effort necessary to accomplish those goals. Lab fee required. (SCANS 5,9,10) Prerequisite: None. PHED 1132 Rodeo (36.0108.5128) Presents rules of the sport while instructing individuals on the fundamentals of all rodeo events, both men's and women's individual and team. The class teaches individuals how to contribute to a group effort while encouraging individuals to excel in one specialized rodeo area. Participants are taught how to recognize and solve specific rodeo event problems. Students are also encouraged to set individual and team goals and exert effort necessary to accomplish those goals. Lab fee required. (SCANS 5,9,10) Prerequisite: Consent of the instructor. PHED 1133 Softball (36.0108.5128) Presents rules of the sport while emphasizing individual and team fundamentals. The class teaches individuals how to contribute to a group effort and how to recognize specific softball problems and devise strategies to overcome those problems. In addition, participants are encouraged to set individual and team goals and exert effort necessary to accomplish those goals. Lab fee required. (SCANS 5,9,10) Prerequisite: None. PHED 1134 Volleyball (36.0108.5128) Presents rules of the sport while emphasizing individual and team fundamentals. The class teaches individuals how to contribute to a group effort and how to recognize specific volleyball problems and devise strategies to overcome those problems. In addition, participants are encouraged to set individual and team goals and exert effort necessary to

accomplish those goals. Lab fee required. (SCANS 5,9,10) Prerequisite: None.

Aquatics

PHED 1146 Red Cross Life Saving (Life Guarding) (36.0108.5128)			
(0-3)			
Advanced swimming skills. Lab fee required. (SCANS 5,9,10) Prerequisite: None.			
PHED 1147 Swimming, Beginning (36.0108.5128) (0-3)			
PHED 1148 Swimming and Diving, Advanced (36.0108.5328) (0-3)			
This course is designed for the swimmer possessing sufficient skills in aquatics to allow for an understanding of the hydrodynamic principles associated with six strokes. The course will enable the individual to increase physical conditioning by designing individualized programs incorporating distance and interval training techniques into daily swim routines. Lab fee required. (SCANS 9,10) Prerequisite: PHED 1147 or consent of the instructor.			
PHED 1149 Water Sports/Games (36.0108.5128)			
(0-3)			
PHED 1150 Water Aerobics (36.0108.5128)			
(0-3)			
PHED 1152 Scuba Diving (36.0108.5328)			
(0-3)			
Competitive Athletics			
PHED 1136 Varsity Baseball (36.0108.5128)			
(0-3)			
taught to apply new knowledge and skills to improve individual and team performance. An understanding of the team concept and team unity will be stressed. (SCANS 5,9,10) Prerequisite: Consent of the instructor.			

PHED 1137 Basketball, Varsity (36.0108.5128)

PHED 1138 Golf, Varsity (36.0108.5128)

PHED 1139 Rodeo, Varsity (36.0108.5128)

PHED 1141 Track and Field, Varsity (36.0108.5128)

PHED 1171 Athletic Training Clinical Practicum I

PHED 2136 Varsity Baseball (36.0108.5128)

PHED 2137 Basketball, Varsity (36.0108.5128)

PHED 2138 Golf, Varsity (36.0108.5128)

PHED 1304 Personal and Community Health (51.0501.5128)

PHED 1306 First Aid (51.0301.5328)

PHED 1308 Techniques of Officiating Sports I (12.1204.5128)

PHED 1309 Techniques of Officiating Sports II (12.0204.5128)

PHED 1321 Techniques of Coaching Sports I (31.0506.5128)

PHED 1322 Techniques of Coaching Sports II (31.0506.5128)

PHED 1331 Movement and Recreation (31.0101.5128)

PHED 1346 Drug Use and Abuse (13.1307.5428)

PHED 2278 Nutrition in Exercise and Sport (31.0501.5228)

PHED 2376 Prevention and Care of Athletic Injuries (51.0301.5328)

Physical Therapist Assistant

Faculty: S. Lynn Dammann, chair; Peggy Manning.

The physical therapist assistant program leads to an associate in applied science degree and encompasses a two-year course of study. The program is designed to prepare educated health workers to perform certain physical therapy procedures and related tasks under the direction and supervision of a licensed physical therapist. The physical therapist assistant performs treatment procedures that involve the therapeutic use of heat, cold, electromagnetic radiations, water, massage, ultrasound and therapeutic exercise and assists the physical therapist with evaluative procedures.

The curriculum balances general educational and technical courses and includes supervised practicum work at hospitals and private clinics. These combined experiences provide students with an opportunity for educational development as well as occupational competence.

Because practicum space is limited, students are admitted selectively. To be considered for admission to the program, prospective students must be a high school graduate or equivalent, achieve a satisfactory score on selected entrance examinations, have good character references, complete a specified number of volunteer or observation hours in a P.T. clinic, and be approved by the program admissions committee. After being accepted, students must maintain a grade of "C" in all physical therapist assistant courses, BIOL 1170, BIOL 2401, and BIOL 2402. An average of "C" or better must be maintained in all other courses. Students failing to meet these scholastic requirements will be dropped from the program. All physical therapist assistant students are required to have health and accident insurance. Liability insurance is also required and is a part of the regular college fee schedule. The physical therapist assistant program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association.

Applicants or other interested persons seeking additional information should contact the counseling center at Odessa College. Testing deadline is February 28 and application deadline is March 31.

Course of Study for Associate in Applied Science Degree Physical Therapist Assistant

	Summer Session II Semester Hrs
S. Carlotte	ENGL 1301 Composition and Rhetoric
	First Year First Semester BIOL 1170 Medical Terminology
	PSYC 2301 Introduction to Psychology
機子	Second Semester BIOL 2402 Anatomy and Physiology II
Į.	PTAP 1302 Topics in Communication and Human Development
	Summer Session I SPCH 1321 Business and Professional Speech
	Summer Session II PTAP 1441 Clinical Practicum I4
News.	Second Year
	*PHED one-hour activity course
	Second Semester
*	PHED one-hour activity course
	Total Hours72
€: }}	*PHED 1100 should be the first course taken in physical education.
	Physical Therapy Courses
Packet.	(3-0)
	to diagnoses that affect the physical therapy treatment setting, diseases and injuries involving the musculoskeletal and neuromuscular systems, and the need for physical therapy intervention are stressed. (SCANS 6) Corequisite: PTAP 1401.

written communication skills; patient-practitioner interaction, including working with diverse patient care situations; concepts of the practitioner's self-esteem and self-management and their impact on the health care setting; and human development from birth to death with special emphasis on normal sensorimotor development and aging. (SCANS 2,5,6,7,10,11) Corequisites: PTAP 1502. Prerequisites: PTAP 1301 and 1401.

PTAP 1401 Introduction to Physical Therapy

PTAP 1441 Clinical Practicum I

PTAP 1502 Fundamentals of Physical Therapy

PTAP 2342 Clinical Practicum II

PTAP 2401 Kinesiology

PTAP 2443 Clinical Practicum III

PTAP 2601 Principles of Therapeutic Exercise

PTAP 2702 Topics in Rehabilitation

Physics

Faculty: Dr. E. Don Taylor, chair; Dr. Ashok Khosla.

The principal objective of the physics department is to train physicists at the college level. In addition, it seeks to provide for certain other majors the foundation in the fundamental physical principles necessary for effective work in engineering, medicine, dentistry, chemistry and technology.

Course of Study for Associate in Science Degree Physics

	MATH 2314 Calculus II
M	lajor Requirements8 PHYS 2425 Engineering Physics I4 PHYS 2426 Engineering Physics II4
To	otal Semester Hours64
<i>6</i> . <i>S</i> .	Prerequisite to MATH 2313 should be taken during the summer prior to freshman nrollment. Students with strong mathematics background should consider advanced tanding examinations. *PHED 1100 should be the first course taken in physical education.
P	HYS 1401 College Physics I (40.0801.5339) (3-3)4 hours
	A study of classical mechanics, molecular physics, and heat with applications. Recommended for students of medicine, dentistry, veterinary medicine, optometry, biology, and architecture. The student will be involved in reading information or problems and using critical-thinking skills and mathematics to organize the information or to arrive at an answer; also requires student writing skills in order to communicate the information acquired in a written format. Lab fee required. (SCANS 1,3,6,9) Prerequisite: Passed all sections of the TASP exam and have a working knowledge of algebra and trigonometry.
P	HYS 1402 College Physics II (40.0801.5339) (3-3)
P	HYS 2425 Engineering Physics I (40.0801.5439) (3-3)
	(3-3)
P	HYS 2426 Engineering Physics II (40.0801.5439) (3-3)
P	HYS 2427 Engineering Physics III (40.0801.5439) (3-3)
	• • • • • • • • • • • • • • • • • • • •

Psychology and Sociology

Faculty: Don Jacobs, chair; Jane Hellinghausen, Carla Wells.

The psychology/sociology department offers freshman- and sophomore-level courses in psychology and sociology with a wide selection for both disciplines. The science of psychology studies human development and behavior, learning, thinking and mood states, gender differences, and relationships. Students are introduced to methodology, critical thinking, and application of psychological principles to every day life. Career paths offer students a wide selection of occupations including neuropsychology, clinical practice, research, teaching, industrial/organizational psychology, government, communications, medical and psychiatric.

The science of sociology studies the multitude of social and cultural influences that are significant to the development of the individual over his/her lifetime. Group dynamics, marriage and family living, juvenile delinquency, race and ethnicity, relationship dynamics and human sexuality empower the student with a wide application of sociological methodology. Career paths offer students many opportunities in government, business, academia, law enforcement, communications, public and/or private research, medical and gerontological occupations.

Psychology/sociology majors are encouraged to organize their degree plans with the assistance and advice of the department chair and academic counselors. It is the responsibility of the student to forecast the transferability of his/her degree plan to the university setting.

Course of Study for Associate in Arts Degree Psychology or Sociology

' _				0,	Semester Hrs
	al Education Requireme				
l C	OSC 1415 Introduction to	Computer Scient	nce		4
	NGL 1301 Composition ar				
i El	NGL 1302 Composition ar	nd Literature			3
	NGL (sophomore level)				
. •	Seneral Education Elective				3
G	OVT 2301 U.S. and Texas	Government		••••	3
	OVT 2302 American Natio				
	IST 1301 U.S. History to 1				
	IST 1302 U.S. History from				
	ab Sequence in BIOL, CH				
М	ATH 1332 Structures of C	ollege Mathem	atice I		3
, iii	ATH 1333 Structures of C	ollege Mathem	atice II		3
**	PHED (any two one-hour	onege maniem activity course	: :\		2
ı Di	HIL 2306 Introduction to P	hilocophy II	ə,		3
	PCH 1315 Public Speaking				
اد	TOT 1313 Fublic Speaking	y	••••••	******************	

**PHED 1100 should be the first course taken in physical education.

In addition to the 53 hours listed above, the student must choose one of the following options.

Psychology Option

	Semester n
Major Requirements	12
PSYC 2301 Introduction to Psychology	
PSYC 2302 Applied Psychology	
PSYC 2308 Child Psychology	
SOCI 1301 Principles of Sociology	3
Total Semester Hours	65

*The following electives may be substituted for above courses to accommodate the transferring institution: PSYC 2306 Human Sexuality, PSYC 2315 Psychology of Adjustment, PSYC 2326 Social Psychology, and PSYC 2371 Current Issues in Psychology.

Sociology Option	<i>-</i>
Semeste	
Major Requirements1	2
SOCI 1301 Principles of Sociology	3
SOCI 1306 Social Problems	3
SOCI 2326 Social Psychology	3
PSYC 2301 Introduction to Psychology	3
Total Semester Hours69	5
*The following electives may be substituted for above courses to accommodate the transferring institution: Sociology Electives: SOCI 2301 Sociology of the Family, SOCI Human Sexuality, SOCI 2319 Ethnic Relations, SOCI 2339 Juvenile Delinquency, SOC 2371 Fundamental Research Design.	2306 I
Course of Study for Associate in Science Degree Psychology	
Semeste	
General Education Requirements5	5
BIOL 1406 General Biology I	4
BIOL 1407 General Biology II	4
CHEM 1311/1111 General Inorganic Chemistry I	
Fundamentals of Chemistry Lab I	4
CHEM 1312/1112 General Inorganic Chemistry II	
Fundamentals of Chemistry Lab II	4
COSC 1415 Introduction to Computer Science	4
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	
ENGL (sophomore level)	3
GOVT 2301 U.S. and Texas Government	
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877 HIST 1302 U.S. History from 1877	<i>3</i>
MATH 1314 College Algebra or more advanced	<i>3</i>
MATH 1342 Mathematical Statistics	2
*PHED (any two one-hour activity courses)))
SPCH 1321 Business and Professional Speech	3
·	
Major Requirements	2
PSYC 2301 Introduction to Psychology	3
PSYC 2302 Applied Psychology	3
PSYC 2308 Child Psychology	3
SOCI 1301 Principles of Sociology	3
Total Semester Hours	r
*PHED 1100 should be the first course taken in physical education.	
Course of Study for Associate in Science Degree Sociology	
Semeste	
General Education Requirements5	5
BIOL 1406 General Biology I	4
BIOL 1407 General Biology II	4
CHEM 1311/1111 General Inorganic Chemistry I	_
Fundamentals of Chemistry Lab I	4
CHEM 1312/1112 General Inorganic Chemistry II	4
Fundamentals of Chemistry Lab II	7

Æ.	:	239
	COSC 1415 Introduction to Computer Science	
	ENGL (sophomore level)	
Actions	HIST 1301 U.S. History to 1877 3 HIST 1302 U.S. History from 1877 3 MATH 1314 College Algebra OR higher level math 3 MATH 1342 Mathematical Statistics 3 *PHED (any two one-hour activity courses) 2 SPCH 1321 Business and Professional Speech 3	
	Major Requirements12SOCI 1301 Principles of Sociology3SOCI 1306 Social Problems3SOCI 2326 Social Psychology3PSYC 2301 Introduction to Psychology3	
,	Total Semester Hours67	
	*PHED 1100 should be the first course taken in physical education.	
	Psychology Courses	
	PSYC 2301 Introduction to Psychology (42.0101.5140) (3-0)	
	Presents a basic understanding of psychological terms, theories, and methodologies the scientific discipline that studies behavior and mental processes. Cognitive abilities such as problem solving, decision making, and communication, affective states like building self-esteem and sociability, and behavioral events, where one participates as group member, are explored. Information acquisition, interpretation, and communication of a psychological nature are the basis on which this course is predicated. In this way, psychological principles are understandable in the context of biology, the brain, neurotransmitters and hormones, personality theory, learning principles, life-span development, relationships, abnormal psychology, and therapies wide application of a variety of topics is the focus of this introductory course. (SCANS 5,6,9,10,11) Prerequisite: None.	sa .A
	(3-0)	ss es ace
	(3-0)	nily

Sociology Courses

SOCi 1301 Principles of Sociology (45.1101.5142)

department chair.

SOCI 1306 Social Problems (45.1101.5242)

SOCI 2301 Sociology of the Family (45.1101.5442)

SOCI 2306 Human Sexuality (42.0101.5342)

SOCI 2319 Race and Ethnic Relations (45.1101.5342)

SOCI 2326 Social Psychology (42.1601.5140)

SOCI 2339 Juvenile Delinquency (45.0401.5142)

SOCI 2371 Fundamental Research Design

Radiologic (X-Ray) Technology

Faculty: Sue Leach, chair; Johnna Davila, Dr. James Sheehan, medical advisor.

Odessa College, in cooperation with local hospitals, offers a radiologic technology program designed to provide understanding, proficiency and skill. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Upon successful completion of the program, students are granted an associate in applied science degree, are eligible to apply for the certification examination given by the American Registry of Radiologic Technologists in diagnostic X-ray technology and are eligible for state certification.

The curriculum balances general educational and technical courses with supervised practicums at local hospitals. These combined experiences provide students with an opportunity for educational development as well as occupational competence during the 24-month program.

Available practicum space limits enrollment; therefore, students are admitted on a selective basis. To be considered for admission to the program, a prospective student must be a high school graduate or equivalent, must achieve a satisfactory score on selected entrance examinations, must have character references and must be approved by the program admissions committee. After being accepted, students must maintain a "C" average in all radiologic technology courses and an average of "C" in all courses or they will be dropped from the program. Prior to entering the clinical practicum portion of the program, students are required to complete a physical examination which includes drug screening.

Applicants or other interested persons seeking additional information should contact the radiologic technology program director at the college. Prospective students are to submit their applications for admission by April 30, for review by the admissions committee.

Liability insurance must be purchased by the student at the beginning of each semester. Students must obtain and maintain a policy of health and accident insurance throughout their enrollment.

Course of Study for Associate in Applied Science Degree Radiologic Technology

Semester Hrs

Summer Session II

MATH 1332 Structures of College Mathematics OR higher level math	3
XRAY 1304 Introduction to Radiologic Technology	3
XRAY 1314 Radiographic Positioning I	3
First Year	
First Semester	
BIOL 2404 Human Anatomy and Physiology	4
XRAY 1111 Radiographic Positioning II	1
XRAY 1221 Clinical Practicum I	2
XRAY 1301 Patient Care and Pathology for Radiographers	
XRAY 1401 Radiographic Physics	4

Second Semester ENGL 1301 Composition and Rhetoric				
Summer Sessions				
Summer Session I GOVT 2301 U.S. and Texas Government OR GOVT 2302 American National Government				
Summer Session II SPCH 1321 Business and Professional Speech				
Second Year				
First Semester COSC 1301 Introduction to Computer Systems				
Second Semester XRAY 2202 Department Design and Operation				
Summer Session I XRAY 2323 Clinical Practicum VI3				
Total Hours72				
*PHED 1100 should be the first course taken in physical education. ***Approved electives: PSYC 2301, SOCI 1301, HIST 1301 or HIST 1302, GOVT 2301 or GOVT 2302 or ENGL 1302.				

Radiologic Technology Courses

XRAY 1111 Radiographic Positioning II

XRAY 1112 Radiographic Positioning III

XRAY 1221 Clinical Practicum I

(0-16)2 hours Introduces the clinical environment at a major facility. Requires observing operation of the X-ray department while rotating through different work areas. Student participates as a team member while learning to develop and utilize good interpersonal communication skills, better enabling the student to meet patients' needs. Competencies include: the production of standard radiographs of the chest, abdomen, and upper and lower extremities to include film critique (film evaluation regarding anatomy, positioning and technical factors): reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment when producing standard radiographs on patients with direct supervision (pre-competency); demonstrate ability to prioritize and organize activities necessary to complete examinations; evaluate and correct performance, in the presence of a technologist, following a discussion identifying the problem and solution; completion of necessary paperwork (some on computer) related to radiographic examinations performed; demonstration of specific exams with a model (performance evaluation) is required. Presents clinical introduction to fluoroscopic examinations and film critique. Lab fee required. (SCANS 1,4,5,6,7,8,9,10,11) Lab fee required. Prerequisite: XRAY 1314 or consent of the department chair. Corequisites: XRAY 1111, XRAY 1301 and XRAY 1401.

XRAY 1301 Patient Care and Pathology for Radiographers

XRAY 1304 Introduction to Radiologic Technology

XRAY 1314 Radiographic Positioning I

XRAY 1322 Clinical Practicum II

Introduces the day shift clinical environment at a major facility. While rotating through different work areas student participates as a team member while learning to develop and utilize good interpersonal communication skills better enabling the student to meet patients' needs. Competencies include: production of standard radiographs of the chest, abdomen, and upper and lower extremities with indirect supervision (postcompetency), and radiographic examinations of the spine, skull and sinuses with direct supervision (pre-competency); film critique (film evaluation regarding anatomy, positioning and technical factors); reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment when producing standard radiographs on patients with direct supervision (pre-competency); indirect supervision (post competency); demonstrate ability to prioritize and organize activities necessary to complete examinations; students evaluate and correct performance, in the presence of a technologist, following a discussion identifying the problem and solution; completion of necessary paperwork (some on computer) related to radiographic examinations performed; assisting radiologist with fluoroscopic examinations and demonstrating specific exams with a model (performance evaluation). (SCANS 1,4,5,6,7,8,9,10,11) Prerequisite: XRAY 1221. Corequisites: XRAY 1112 and XRAY 1402.

XRAY 1323 Clinical Practicum III

(0-32) [12 weeks]3 hours Emphasizes practice of basic radiographic procedures in positioning and darkroom techniques. Causes student to use anatomical terms. While rotating through different work areas student participates as a team member while learning to develop and utilize good interpersonal communication skills better enabling him to meet patients' needs. Competencies include: discussion and demonstration of all standard radiographic positions with direct supervision (pre-competency); indirect supervision (postcompetency) to include film critique (film evaluation regarding anatomy, positioning and technical factors); reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment and producing standard radiographs on patients with the necessary supervision; ability to prioritize and organize activities necessary to complete examinations; evaluating and correcting performance, in the presence of a technologist, following a discussion identifying the problem and solution; completing necessary paperwork (some on computer) related to radiographic examinations performed; assist radiographers in obtaining radiographs on trauma patients; assist radiologist with fluoroscopic examinations and demonstrating specific exams with a model (performance evaluation). Includes the following in clinical rotations: special procedures, CT, breast imaging, MRI, quality assurance and heart catherization. (SCANS 1,4,5,6,7,8,9,10,11) Prerequisite: XRAY 1322 or consent of the

department chair.

XRAY 1401 Radiographic Physics

XRAY 1402 Principles of Radiographic Exposure

XRAY 2201 Special Imaging

XRAY 2202 Department Design and Operation

XRAY 2321 Clinical Practicum IV

demonstrating understanding of positioning materials by selecting necessary equipment and producing standard radiographs on patients with the necessary supervision; ability to prioritize and organize activities necessary to complete examinations; evaluate and correct performance, in the presence of a technologist, following a discussion identifying the problem and solution; completion of necessary paperwork (some on computer) related to radiographic examinations performed; assisting radiographers in obtaining radiographs on trauma patients; assisting radiologist with fluoroscopic examinations; demonstrating specific exams with a model (performance evaluation). Includes the following in clinical rotations: special procedures, CT, breast imaging, MRI, heart catherization, ultrasound, nuclear medicine, radiation therapy and quality assurance. (SCANS 1,4,5,6,7,8,9,10,11) Prerequisite: XRAY 1323 or consent of the department chair. Corequisites: XRAY 2401 and XRAY 2201.

XRAY 2401 Advanced Radiographic Procedures

XRAY 2402 Radiation Biology

XRAY 2322 Clinical Practicum V

While rotating through different work areas student participates as a team member while learning to develop and uti...ze good interpersonal communication skills better enabling them to meet patients' needs. Competencies include: discussion and demonstration of all standard radiographic positions and ability to produce radiographs on trauma patients with direct supervision (pre-competency); indirect supervision (post competency) to include film critique (film evaluation regarding anatomy, positioning and technical factors); reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment and producing standard radiographs on patients with the necessary supervision; ability to prioritize and organize activities necessary to complete examinations; evaluate and correct performance, in the presence of a technologist, following a discussion identifying the problem and solution; completion of necessary paperwork (some on the computer) related to radiographic examinations performed; assisting radiographers in obtaining radiographs on trauma patients; assisting radiologist with fluoroscopic examinations; demonstrating specific exams with a model (performance evaluation). Includes the following in clinical rotations: ultrasound, nuclear medicine, radiation therapy and quality assurance, (SCANS 1,4,5,8,11) Prerequisite: XRAY 2321 or consent of department chair. Corequisites: XRAY 2202 and XRAY 2402.

XRAY 2323 Clinical Practicum Vi

(4-20) [6 weeks]3 hours Includes basic physical concepts with expansion to increase depth and scope of underlying principles of radiology. While rotating through different work areas student participates as a team member while learning to develop and utilize good interpersonal communication skills better enabling the student to meet patients' needs. Competencies include: performance of all duties required of a registered radiologic technologist to include patient positioning, technique selection, interpersonal communication skills and film critique (film evaluation regarding anatomy, positioning and technical factors); reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment and producing standard radiographs on patients with the necessary supervision; ability to prioritize and organize activities necessary to complete examinations; completion of necessary paperwork (some on computer) related to radiographic examinations performed; assisting radiologist with fluoroscopic examinations; demonstrating specific exams with a model (performance evaluation). Includes the following in clinical rotations: ultrasound, nuclear medicine, radiation therapy and quality assurance. (SCANS 1,2,3,4,5,6,7,8,9,10,11) Prerequisite: XRAY 2322.

Reading

Faculty: Pam Williamson, chair; Elloui Moseley, Mona Sandlin.

An effective citizen must read well, and reading courses develop efficient tools for use in both the academic and workplace environment. All professional fields require above-average abilities in reading.

These courses implement multimedia, computerized instruction and support the philosophy that a person's ultimate reading potential is never reached. Because effective study skills predominantly depend on precise reading abilities, learning methods are an integrated element in the curriculum. Time spent in this program is an investment in self. All people, regardless of their reading ability or what kind of grades they make, can improve their reading skills.

Developing awareness of the competencies underlying effective reading and insight into the psychology of reading will be excellent preparation for those interested in reading as an academic major. Reading specialists, reading supervisors and reading clinicians are all in great demand.

Courses listed below do not satisfy requirements as electives for any degree at Odessa College. Students who intend to transfer to another community college, senior college or university should check with that institution to determine whether hours earned in reading will transfer for degree credit.

READ 0371 Basic Reading (32.0108.5235)

READ 0372 College Reading (32.0108.5235)

READ 0373 Advanced College Reading (32.0108.5235)

College Reading Techniques

The college reading techniques course provides an alternative reading program with structured, individualized, self-paced instruction in a multimedia, computerized environment. Regardless of present reading ability, students can expect to increase vocabulary, to gain faster reading rates and to improve comprehension. Effective study techniques offer opportunities to improve performance in both academic and vocational-technical courses.

Diagnostic tests are given to determine placement levels and specific areas of need. Post-tests evaluate progress during the semester. Through student-teacher conferences, a self-paced plan of action is developed to set immediate and long-range goals.

Students should consult with the instructor immediately upon registration to arrange meeting times for the flexible entry course.

READ 0171 Improving Reading Skills (32.0108.5235)

Refrigeration/Air Conditioning (see Heating, Ventilation and Air Conditioning)

Religion (see Social Sciences)

Respiratory Care

Faculty: Phyllis Brunner, chair; Elizabeth Essig, director of clinical education; Gloria Hearne, Dr. John Bray, medical director.

Through its ladder concept curriculum in respiratory care, Odessa College offers an intensive program for therapists and technicians. The technician program requires 14 months of study and leads to a certificate of completion. The therapist program requires 22 months of study and leads to an associate in applied science degree.

The clinical practice of respiratory care involves the application of skills and knowledge in the diagnosis and treatment of cardiopulmonary disease. Respiratory therapists and technicians engage in the care of patients from all age groups who suffer from a broad spectrum of diseases. They perform their duties in all patient care areas of hospitals, although primary involvement is in the intensive care units. They staff diagnostic laboratories, provide respiratory services for patients at home and in rehabilitation centers, are involved in the transportation of patients who require respiratory care in route, and serve as managers or educators.

Individuals practicing respiratory care should be mature, responsible persons with strong interpersonal skills and the desire to care for others. Interest and competence in the basic sciences are strong determinants in the academic success of a respiratory therapy student. Respiratory care involves the application of highly technological equipment to patient care situations.

The curriculum balances general educational and technical courses with supervised clinical work in local hospitals under the direction of qualified therapists and technicians. Physicians proficient in pulmonary medicine provide medical direction. This setting provides students with an excellent opportunity for educational development and occupational competence.

Students are admitted prior to the second summer semester on a selected basis because of limited space in the clinical area of study. Requirements for admission are high school graduation or its equivalent, satisfactory achievement on the college entrance examination, evidence of good health, personal interview and approval of the admissions committee for the program.

Students may not receive a grade lower than "C" in any respiratory care course and must maintain a "C" average or better in all other courses. Students failing to meet these scholastic requirements will be dropped from the program. All respiratory care courses must be taken in the proper sequence as shown in the catalog, and progression to the second year requires successful completion of the technician program.

All respiratory care students are required to have health and accident insurance and pass a hospital physical. Liability insurance also is required and is a part of the regular college fee schedule.

The Odessa College respiratory therapist and technician program is accredited by the Council on Medical Education of the American Medical Association through the recommendations of the Joint Review Committee for Respiratory Therapy Education.

Students wishing to apply for admission or seeking additional information should contact the counseling center. All persons wishing to apply should submit their applications before June 1 of each year.

Course of Study for Associate in Applied Science Degree Respiratory Therapy

First Year

Summer Session II	
ENGL 1301 Composition and Rhetoric	Semester Hr 3 3
First Semester BIOL 2404 Human Anatomy and Physiology RESP 1101 Fundamentals of Respiratory Care I Lab RESP 1111 Clinical Practicum I RESP 1300 Fundamentals of Respiratory Care I RESP 1304 Principles of Respiratory Care SPCH 1321 Business and Professional Speech	1 1 3
Second Semester COSC 1301 Introduction to Computer Systems *PHED 1100 Lifestyle Assessment and Modification RESP 1112 Fundamentals of Respiratory Care II Lab RESP 1312 Fundamentals of Respiratory Care II RESP 1222 Clinical Practicum II RESP 1332 Cardiopulmonary Pathophysiology	1 1 3
Summer Sessions I and II	
RESP 1140 Respiratory Care Seminar	1
RESP 1333 Clinical Prácticum III	3
. I_O: 1000 O:::::::::::::::::::::::::::::::	J

Second Year Third Semester BIOL 2420 Microbiology4 GOVT 2301 U.S. and Texas Government OR RESP 2164 Neonatal/Pediatric Lab1 RESP 2252 Clinical Practicum IV2 RESP 2264 Neonatal/Pediatric Respiratory Care2 **Fourth Semester** CHEM 1105 Introductory Chemistry Lab1 CHEM 1305 Introductory Chemistry3 RESP 2330 Clinical Specialties3 PHED one-hour activity course1 PSYC 2301 Introduction of Psychology3 Total Hours70 *PHED 1100 should be the first course taken in physical education.

Course of Study for Certificate of Completion

Level I certificates are TASP-walved.

Level I - Respiratory Therapy Technician

First Year	
Summer Session II	Semester Hrs
ENGL 1301 Composition and Rhetoric	3
MATH 1332 Structures of College Mathematics or higher level math	3
First Semester	
BIOL 2404 Human Anatomy and Physiology	4
RESP 1101 Fundamentals of Respiratory Care I Lab	
RESP 1111 Clinical Practicum I	1
RESP 1300 Fundamentals of Respiratory Care I	3
RESP 1304 Principles of Respiratory Care	3
SPCH 1321 Business and Professional Speech	
Second Semester	
COSC 1301 Introduction to Computer Systems	3
*PHED 1100 Lifestyle Assessment and Modification	
RESP 1112 Fundamentals of Respiratory Care II Lab	1
RESP 1222 Clinical Practicum II	
RESP 1312 Fundamentals of Respiratory Care II	3
RESP 1332 Cardiopulmonary Pathophysiology	
Summer Sessions I and II	
RESP 1140 Respiratory Care Seminar	1
RESP 1333 Clinical Practicum III	3
RESP 1360 Critical Care	3
Total Semester Hours	41
*PHED 1100 should be the first course taken in physical education.	

Respiratory Care Courses

RESP 1101 Fundamentals of Respiratory Care I Lab (0-3) Practices techniques and basic calculations learned in RESP 1300. Presents concepts needed in the performance of skills, maintains and selects equipment necessary for technique, charting requirements for medical records. All techniques are performed in the laboratory setting prior to performing them in a clinical setting. (SCANS 2,3,8) Lab fee required. Prerequisite: None. Corequisite: RESP 1300. **RESP 1111 Clinical Practicum I** decision-making skills by observation and administration of respiratory care modalities. Requires application of patient assessment techniques, utilizing medical terminology documentation, interpretation of medical records, and provides opportunity to apply sterilization techniques. (SCANS 1.2.8.9.11) Equipment fee required. Prerequisite: None. Corequisites: RESP 1101 and RESP 1300. **RESP 1112 Fundamentals of Respiratory Care II Lab** (0-3) ______1 hour Practices skills learned in RT 1312. Introduces mechanical ventilator concepts, including calculations, and airway management techniques. Lab exercises are designed to allow students to select appropriate equipment, problem solve equipment errors, and communicate the recommended changes in therapeutics in a given problem. (SCANS 3,8,9,11) Lab fee required. Prerequisite: RESP 1101, RESP 1300, RESP 1304 and RESP 1111. Corequisite: RESP 1312 and RESP 1222. **RESP 1140 Respiratory Care Seminar** (1-0)[13 weeks] 1 hour Introduces most current literature in pulmonary care to help the student understand how social, organizational, and technological systems work together to provide effective standards of care. Requires preparation of journal reports from recent publications. Provides a comprehensive review of competencies for the entry level technician. (SCANS 6,7) Prerequisite: RESP 1312, RESP 1222, RESP 1332, RESP 1112. Corequisite: RESP 1333, RESP 1360. RESP 1222 Clinical Practicum II Applies, in a clinical setting, skills learned in RESP 1300. Allows a student to participate as a health care team member, including decision making and equipment troubleshooting. Enforces the personal qualities for job success such as understanding workplace ethics, time-management and organizational skills, responsibility, and sociability. Permits rotation through acute care facilities, including pediatrics and rehabilitation centers. (SCANS 4,5,8,9,10) Prerequisite: RESP 1011, RESP 1111, RESP 1300, RESP 1304. Corequisite: RESP 1312, RESP 1332, and RESP 1112. RESP 1300 Fundamentals of Respiratory Care I An in-depth presentation of oxygen therapy. Presents the technology, calculations, and equipment associated with respiratory care modalities such as aerosol therapy, incentive spirometry, IPPB, arterial blood gas sampling, and chest physiotherapy. (SCANS 3,8) Prerequisite: Admission to respiratory care program. Corequisite: RESP 1101. **RESP 1304 Principles of Respiratory Care** Introduces sciences used in respiratory care. Presents chemistry and its application in acid base balance. Presents physics to ensure the student's ability to solve problems and apply new skills in relation to Newton's laws, gas laws, and measurement systems. Introduces microbiology for the student to be able to understand the technology involved in identifying bacteria and other disease-causing organisms. (SCANS 7,9) Prerequisite: Admission to respiratory care program. Corequisite: RESP 1101, RESP 1111 and RESP 1300.

RESP 1312 Fundamentals of Respiratory Care II

RESP 1332 Cardiopulmonary Pathophysiology

RESP 1333 Clinical Practicum III

RESP 1360 Critical Care

RESP 2130 Clinical Specialties Lab

RESP 2164 Neonatal/Pediatric Lab

RESP 2330 Clinical Specialties

RESP 2252 Clinical Practicum IV

RESP 2262 Clinical Practicum V

RESP 2264 Neonatal/Pediatric Respiratory Care

RESP 2312 Cardiopulmonary Dynamics

Safety (see Occupational Safety and Health Technology)

Social Sciences

Faculty: Dr. Dick Kennedy, chair; Mary Kay Buinger, Dr. Brian Dille, Daphne Eastman, Dr. Torn Heiting, Truett Hilliard, Jack Kitzmiller, Robert Porter, Dr. Bill Rutherford.

Social sciences deal with the three basic relationships that mankind has dealt with since time began. These relationships involve man with his fellow man (history, economics, government, psychology and sociology), man with God (religion) and man with himself (philosophy). No one can challenge the effect that philosophers, historical events, political and social theories, economic ideas and religious concepts have had on mankind.

The four-semester curricula outlined below lead to an associate in arts degree in economics, government and history. Courses are offered in philosophy and religion, but they should be taken as electives only. Students desiring to major in philosophy or religion should consult with the senior college or upper-level institution to which they will transfer regarding transferability of courses.

The social sciences provide students with analytical tools needed for effective participation in a democratic society; they also open doors to various career opportunities. A background in the social sciences is particularly suitable to government employment (such as in the Social Security Administration), social welfare employment, the Federal Reserve banks and other types of government jobs. The social sciences also provide a background that is useful for a career in business, teaching and other professions.

Course of Study for Associate in Arts Degree Economics. Government and History Options

Economics, Government and History Options	
	Semester
General Education Requirements	
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	3
ENGL (Sophomore Level)	6
Foreign Language 1411 and 1412	8
Foreign Language (sophomore level)	6
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	3
**HIST 1301 U.S. History to 1877	3
**HIST 1302 U.S. History from 1877	
MATH 1332 Structures of College Mathematics I OR higher level math.	
MATH 1333 Structures of College Mathematics II OR higher level math	
*PHED (any two one-hour activity courses)	
SPCH 1315 Public Speaking	3
fajor Requirements	
ECON 2301 Principles of Economics I (Macro)	3
ECON 2302 Principles of Economics II(Micro)	3
HIST 2311 History of Modern Europe to 1815	
HIST 2312 History of Modern Europe since 1815	3
Total Semester Hours	67
**HIST 2301, History of Texas may be substituted for either HIST 1301 or Hi *PHED 1100 should be the first course taken in physical education.	IST 1302.

Economics Courses

ECON 1301 Introduction to Economics (19.0402.5242)

Civil War and Reconstruction. (SCANS 6,9) Prerequisite: None.

HIST 1302 United States History from 1877 (45.0802.5142)

(3-0)3 hours Deals with the growth of big businesses and accompanying problems. Includes the interpretation and evaluation of American imperialism, causes and results of World War I, causes of World War II, post-war adjustments and prospective solutions. (SCANS 6,9) Prerequisite: None.

HIST 2301 History of Texas (45.0802.5242)

(3-0)3 hours Organizes and interprets the history of Texas. Stresses European approach to Texas, Spanish and French rivalry, exploration and control, Anglo-American colonization, relations with Mexico, Texas Revolution, Texas as a republic, annexation, statehood, reconstruction and other political and economic developments, (SCANS 6.9) Prerequisite: None.

HIST 2311 History of Modern Europe to 1815 (45.0801.5442) (3-0)
HIST 2312 History of Modern Europe Since 1815 (45.0801.5442) (3-0)
HIST 2381 Afro-American History (45.0802.5142) (3-0)
Organizes and interprets the role and contributions of Afro-Americans to development and culture of the United States. (SCANS 6) Prerequisite: None.
Philosophy and Religion Courses
PHIL 1301 Introduction to Philosophy I (38.0101.5135) (3-0)
Presents an adventure in ideas including the interpretation of those ideas. Asks anew ultimate questions about the significance of life. With insights gleaned from world's greatest philosophers, students seek to clarify own ideas and beliefs concerning themselves, their world and their ultimate destiny. Critical thinking is an important component of this course. (SCANS 6,9) Prerequisite: None.
PHIL 1304 Comparative Religions (38.0201.5235) (3-0)
(3-0)
PHIL 1316 History of Religion (38.0201.5135) (3-0)
Investigates and interprets historically the development of the world from prehistory to modern times. Emphasizes role of religions in world history. (SCANS 6) Prerequisite: None.
PHIL 2306 Introduction to Philosophy II (Ethics) (38.0101.5335) (3-0)
Introduces ethical theories based on answers given by the world's greatest philosophers to the questions, "What makes acts right?" and "What is the good life?" Discusses and interprets the nature of goodness, duty and freedom. Considers selected ethical problems in light of each basic ethical system. (SCANS 6,9) Prerequisite: None.
PHIL 2321 Philosophy of Religion (38.0201.5335) (3-0)
Examines and interprets the nature and meaning of religion and religious expression. Emphasizes development of religious thinking in western civilization. Includes faith and reason, religion's authority, science and religion, problems and implications of freedom, evil and conscience. (SCANS 6) Prerequisite: None.
BIBL 1171 Acts of the Apostles (1-0) 1 hour
Communicates and interprets expansion of Christian beliefs, practices and fellowships from Palestine to outlying parts of the Roman Empire. Includes personality study of Peter, John, Paul and other apostles. (SCANS 6) Prerequisite: None.

BIBL 1373 New Testament History

BIBL 2371 History of the Life of Christ

BIBL 2372 The Life and Letters of Paul

Sociology (see Psychology and Sociology)

Spanish (see English and Foreign Languages)

Speech

Faculty: Darlyne Ervin, chair; Deanne Causey, Joe Willis.

The speech department recognizes that effective communication is an essential skill in college, industry and daily life. Students must be able to logically organize their ideas, adapt those ideas to their specific audience or situation and then express those ideas or feelings in a clear, confident manner. These skills, once learned, will aid students throughout their private and professional lives.

All speech courses have unique, diverse functions; therefore, each presents individual goals. However, the shared goal of these classes is to help students develop a more articulate, sensitive and confident self image in the area of oral communication.

Business and Professional Speech and Public Speaking are course offerings considered to be "core" classes because they help fulfill the communication requirements at most colleges and universities.

Speech courses need not be taken in any particular sequence. More than one speech course may be taken during a given semester.

Course of Study for Associate in Arts Degree Speech

General Education Requirements	Semester 45	Hrs
COSC 1301 Introduction to Computer Science	3	
ENGL 1301 Composition and Rhetoric	3	
ENGL 1302 Composition and Literature	3	
ENGL (sophomore level)	6	
Foreign language 1411 and 1412	8	

		259
	GOVT 2301 U.S. and Texas Government	
Ī	*PHED (any two one-hour activity courses)	
	Major Requirements	
	Total Semester Hours64	
	*PHED 1100 should be the first course taken in physical education. ** This laboratory prepares students for intercollegiate participation in various speech contests. Requires tournament participation for credit to be earned. Prerequisite: None.	
	Speech Courses	
	SPCH 0300 Basic Speech Communication Skills (32.0108.5135)	
	(3-0)	'n
•	SPCH 1144, 1145, 2144, 2145 Forensics Laboratory (23.1001.6035)	
	(0-2)	king Ireni
_	SPCH 1311 Introduction to Speech Communication (23.1001.5135)	
	(3-0)	ents onal
	SPCH 1315 Public Speaking (23.1001.5335) (3-0)	
	(3-0)	•
	SPCH 1321 Business and Professional Speech (23.1001.5235)	
	(3-0)	

SPCH 1342 Voice and Diction (23.1001.5835)

SPCH 2335 Argumentation and Debate (23.1001.5935)

SPCH 2341 Introduction to Oral Interpretation (23.1001.5735)

Surgical Technology

Faculty: Leola Rutledge, chair.

The surgical technology program prepares graduates to function in the operating room as surgical technologists under the direction of an operating room registered nurse. Duties include maintaining a safe environment for patients undergoing surgery, transporting patients, preparing supplies, operating equipment, handling instruments and serving as a member of the surgical team.

The first semester courses include medical terminology, asepsis, microbiology, pharmacology, sterilization/disinfection and an introduction to clinical experience. Anatomy and physiology and first aid also are introduced. During the second semester, applied psychology is presented, anatomy and physiology are continued, and the practicum and didactic instruction are expanded to include wound healing, anesthesia and surgical procedures. Opportunity also is given in the practicum to increase knowledge and skills in general surgical procedures. The six-week summer session allows students to perfect skills under supervision in the clinical sites.

Admission requirements to the program include submission of a completed Odessa College application, program application, high school graduation or its equivalent (GED) and evidence of good health. Also, prospective students must make a satisfactory score on the Allied Health Aptitude Test. Upon completion of the above, students must make arrangements for an interview with the program director.

Students may be required to take some college placement tests. Unsatisfactory scores on these placement or entrance tests may require that additional courses be taken concurrently with, or prior to, the regular curriculum.

All courses in the curriculum are required and must be completed no later than the prescribed semester with a minimum grade of "C." Progression to the next semester cannot be accomplished if a grade of "D" or "F" is received in any course.

All surgical technology students are required to have health and accident insurance. Liability insurance also is required and is a part of the regular college fee schedule.

Students who successfully complete the program receive a certificate of technology and may sit for the National Certification Examination for Surgical Technologists. Those interested in furthering their education may take the courses for an associate in applied science degree.

The Odessa College surgical technology program is accredited by the Committee on Accreditation of Allied Health Education Programs (CAAHEP).

Course of Study for Associate in Applied Science Degree **Surgical Technology** Semester Hrs Prerequisite Courses8 BIOL 2401 Anatomy and Physiology4 BIOL 2402 Anatomy and Physiology4 First Year First Semester BIOL 1170 Medical Terminology1 PHED 1306 First Aid3 SURG 1411 Surgical Technology Practicum I4 SURG 1612 Introduction to Surgical Techniques6 Second Semester Summer Session I SURG 1615 Surgical Technology Practicum III6 **Second Year** First Semester BIOL 2420 Microbiology4 ENGL 1301 Composition and Rhetoric3 GOVT 2301 U.S. and Texas Government OR MATH 1332 Structures of College Mathematics OR higher level math3 *PHED 1100 Lifestyle Assessment and Modification1 Second Semester COSC 1301 Introduction to Computer Systems3 ENGL 1302 Composition and Literature3 PHED one-hour activity course1 SPCH 1315 Public Speaking3 Total hours70 *PHED 1100 should be the first course taken in physical education. **Course of Study for Certificate of Completion** Level II - Surgical Technology Semester Hrs Prerequisite Courses8 BIOL 2401 Anatomy and Physiology4 BIOL 2402 Anatomy and Physiology4 First Semester BIOL 1170 Medical Terminology1 PHED 1306 First Aid3 SURG 1411 Surgical Technology Practicum I4 SURG 1612 Introduction to Surgical Techniques6 SURG 1614 Surgical Technology Practicum II6

Surgical Technology Courses

SURG 1411 Surgical Technology Practicum I

SURG 1612 Introduction to Surgical Techniques

SURG 1613 Principles of Surgical Technology

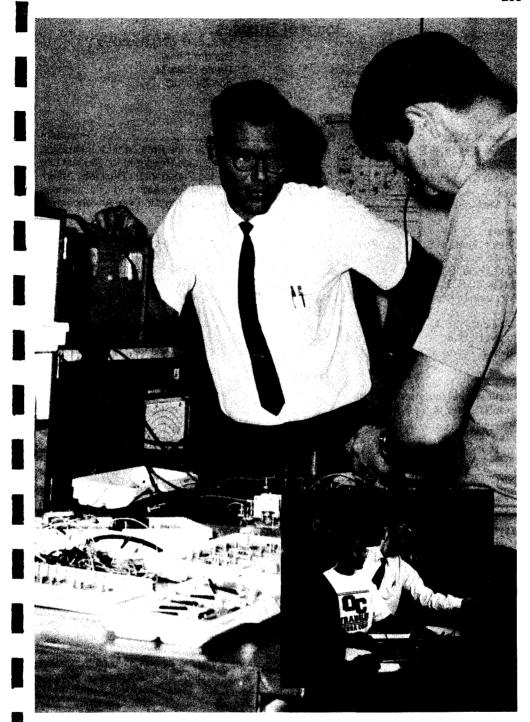
SURG 1614 Surgical Technology Practicum II

SURG 1615 Surgical Technology Practicum III

Vocational Nursing (see Nursing)

Welding Technology (see Metal Trades)

X-Ray Technology (see Radiologic Technology)



STAFF

Board of Trustees

Davis Cisneros
William H. (Bill) Saunders
Walter D. Smith
Sandra Shaw
James H. Gilliland
Bruce Shearer
Gary S. Johnson
Joe Zant, Jr.
Ralph McCain

<u>Administration</u> Vance W. Gipson, A.A., B.S., M.A., Ed.D. President Miles A. Eckert, B.S., M.Ed., Ed.D. Executive Vice President for Instruction Sue Blair, B.S., M.Ed., Ed.D.Vice President for Student Life Virginia Chisum, B.B.A., C.P.A......Vice President for Business Affairs Jay Box, A.A., B.S., M.Ed., Ed.D. Director of Institutional Research and Effectiveness Jeff Melton, B.S. Director of Institutional Advancement Deans Roy H. Hart, C.C., B.S., M.Ed., Ed.D. Dean of Administration Don L. Huff, B.S., M.S., Ed.D.Dean of Science and Health Ron Kern, B.S., M.A., Ph.D. Dean of Technical Studies and Curriculum Mary James Koeninger, B.M.Ed., M.M., M.Ed., Ed.D. Dean of Distance Education and **Learning Resources** Sue Pardue, B.A., M.A., Ph.D. Dean of Continuing Education Student Life Admissions/Registrar's Office Cam H. Stone, A.A., B.A.Assistant Director of Admissions **Athletics** Jim Carlson, B.S., M.Ed. Director of Intercollegiate Athletics, Recreation/Athletic Trainer Betty Fredickson-Sorrells, B.S. Director of Community Recreation Dennis Helms, A.A., B.S., M.Ed.Men's Basketball Coach and Intramural Director Calvin Sinkfield, B.S.Men's Academic Advisor/Assistant Men's Basketball Coach Wayne Turley, B.S. Sports Center Director Jim Watkins, B.S.Rodeo Coach Rick Zimmerman, M.S. Baseball Coach **Continuing Education** Eddie Anderson, B.S.Technical Supervisor, Ector County Breath Alcohol Program Fred Gibson, B.B.A. Director of Business Development/Business Incubator Manager Martha Kunkel, B.F.A.Director of Community Services Teddena Poor......ESL Lab Coordinator John Tucker, B.A. Director of Adult Education

Counseling and Career Development Terri Pease, B.A., M.A. Rodney Hernandez, B.B.A., M.Ed. LaRae Phillips, B.M.Ed., M.Ed. Mike Tincher, B.S., M.S. Rena Ventura-Jackson, B.S. Laura Volkmann, A.A., B.A., M.A. Kerri Leonard, B.A.	Counselor Counselor Counselor Counselor Counselor Director of Career Services
Enrollment Management Gregory D. Williams, B.A., M.A., M.Ed	Coordinator of Student Recruiting Director of Student Relations Director of Testing and Assessment Director of Student Activities and Leadership Development
Media Relations and Publications Susan Hammons, B.A	f Media Relations and Publications
Student Financial Services Tanya Hughes, B.B.ADir Leslie Neiman, B.SAssistant Dir	ector of Student Financial Services ector of Student Financial Services
Upward Bound Arleen White, B.S., M.S., Ed.D. Dawnyela Meredith, B.S.	Director of Upward BoundAcademic Coordinator
Support Staff Accounting Kristi Gibbs, B.B.A. Accounting Officer	
Accounting	Accounting Officer
Accounting	·
Accounting Kristi Gibbs, B.B.A. Bookstore	Bookstore ManagerControllerAccounts Payable SupervisorGrants Accountant
Accounting Kristi Gibbs, B.B.A. Bookstore Sammie Molder, A.A. Business Office Roxana Patton, A.S., B.B.A. Gloria Helms, A.A.S. Linda James	Bookstore Manager Controller Accounts Payable Supervisor Grants Accountant Manager of Central Services
Accounting Kristi Gibbs, B.B.A. Bookstore Sammie Molder, A.A. Business Office Roxana Patton, A.S., B.B.A. Gloria Helms, A.A.S. Linda James Joe Juarez, A.A. Campus Police	Bookstore Manager Controller Controller Grants Accountant Manager of Central Services Chief of Campus Police

Developmental Education Judy MerrittCounselor	
Human Resources Betty George	
Informational Services W. Frank Wells, B.B.A. Director of Informational Services Maxine Benson, A.A.S. Computer Operator Charles Everett, A.A. Senior Systems Analyst April Falkner, A.A.S. Programmer/Analyst	
Instructional Television Brian K. Dille, B.A., M.A., Ed.D	
KOCV-FM/TV Public Broadcasting Royce Bodiford, B.S. General Manager Doug Cole Radio Operations Coordinator Cheri Dalton, B.A. Administrative Assistant Al Harris Chief Engineer Tom Hughes, B.A. Television Station Manager Russell McBride Traffic Director Pamela Six, B.M.E. Development Director Delores Stokes Programming and Production Director	
Learning Resources Center Denise Bachman, B.A., M.L.S	
Physical Plant Bob Chastain, A.A.S. Director of Field Operations Lucy Griffith Adminstrative Assistant Al Almadova Custodial Supervisor Mark Cortez Electrical, HVAC, Plumbing Supervisor Bryan Heifner Director of Building Services Lionel Loya Director of Building and Grounds Maintenance Philip Stell Structural Supervisor Max White, B.S. Grounds Supervisor	
Tech-Prep Ron Kern, B.S., M.A., Ph.D	
rate in a regrams draits deciding to	

	Department and Program Chairs	
	Anthropology	G. Brent McAfee
	Art	Barry Philline III
_	Automotive and Diesel Technology	.hurl Davis
	Biology	
	Building Trades	
	Business Administration	
	Chemistry	
	Child Development	
	Clinical Laboratory Sciences	
	Computer Information Systems	
	Computer Science	
	Cosmetology	
	Culinary Arts	
	Developmental Education	
	Drafting	
	Economics	
	Education, Elementary and Secondary	
	Electrical & Electronics	Danny Bailey
	Emergency Medical Technology	LeeDon Martin
-	Engineering	George Brewer
	English	Ned Pilcher
	Fire Technology	LeeDon Martin
	Foreign Languages	I-Fan Chen
	Geography	G. Brent McAfee
	Geology	
	Government	
	Heating, Ventilation and Air Conditioning	
_	History	
	Humanities	
	Human Services	
	Instructional Television	
	Law Enforcement/Criminal Justice	
	Legal Assistant	
	Machine Technology	
	Maintenance Technology	
_		
	Management	
8	Mass Communication	
-	Mathematics	•
	Music	
_	Nursing, Odessa College Campus	
	Nursing, Odessa College Evening Program	
	Nursing, Andrews Vocational Program	
	Nursing, Kermit/Monahans Vocational Program	
-	Occupational Safety and Health Technology	
	Office Systems Technology	
	Petroleum Technology	
	Philosophy	
	Photography	
	Physical Education	
	Physical Therapist Assistant	S. Lynn Dammann

Physics	Dr. E. Don Taylor
Psychology	
Radiologic Technology	
Reading	
Refrigeration & Air Conditioning	
Religion	
Respiratory Care	
Social Sciences	
Sociology	Don Jacobs
Speech	
Surgical Technology	
Welding	

Faculty

P. Ann Armstrong

Assisstant Professor of Nursing, B.S.N., Texas Woman's University; M.S.N., University of Texas at El Paso.

Tambi L. Arnold

Associate Professor of Office Systems Technology, A.A.S.,South Plains College; B.B.A., University of Texas of the Permian Basin

Danny Bailey

Department Chair and Assistant Professor of Electrical/Electronics Technology, B.S., Wayland Baptist University; M.A., University of Texas of the Permian Basin

Galen Ballard

Department Chair and Associate Professor of Metal Trades Technologies, A.A.S., Odessa College; B.S., Devry Institute

Gail Barry

Instructor of Nursing, B.S.N., Old Dominion University

James K. Bates

Department Chair and Associate Professor of Heating, Ventilation and Air Conditioning and Maintenance Technology, A.A.S., Odessa College; B.S.O.E., Wayland Baptist College

Patricia Ann Bayless

Department Chair and Associate Professor of Vocational Nursing in Andrews, A.A.S., University of Maine

Sylvia Blain

Associate Professor of Cosmetology, A.A.S., Odessa College

Marylin M. Boomer

Instructor of Nursing, B.S.N., Texas Tech University Health Sciences Center

Carol Boswell

Department Chair and Professor of Nursing, B.S.N., M.S.N., Texas Tech University Health Sciences Center; Ed.D., Texas Tech University

John D. Bray

Medical Director of Respiratory Therapy Program, B.S., M.D., University of Miami

George W. Brewer

Department Chair and Associate Professor of Mathematics and Engineering, B.S., Southeastern Oklahoma State University; M.S., Oklahoma State University

Phyllis Brunner

Department Chair and Associate Professor, Respiratory Care, A.S., Delgado College; B.S., University of Texas of the Permian Basin

Mary Kay Buinger

Assistant Professor of History, B.A., Fort Hays Kansas State College; M.A., University of Missouri

Weldon Butler

Medical Director of Emergency Medical Technology, B.S., Eastern New Mexico University; M.D., University of New Mexico

James Camp

Assistant Professor of Mathematics, B.A., M.S., University of North Texas

Jim Carlson

Director of Athletics, Athletic Trainer and Instructor of Physical Education, B.S., M.Ed., University of Texas at Austin

Karin Carlson

Instructor of Physical Education, B.S. University of North Texas

Deanne J. Causev

Instructor of Speech, B.A., Texas A&M University; M.A., Texas Tech University

Kris Challapalli

Director of Medical Laboratory Technology, B.S., M.D., Guntur Medical College, A.P. India

Patty Chapman

Instructor of Nursing, A.A.S., Odessa College; B.S.N., Texas Tech University

I-Fan Chen

Assistant Professor of Spanish, B.A., M.A., Texas Tech University

Lonnie Clark

Instructor of Music, B.M.E., West Texas State University; M.A., West Texas State University

Raymond L. Cone

Assistant Professor of Computer Science, B.S., M.B.A. Eastern New Mexico University

Eloisa Corbell

Medical Laboratory Technology
Paraprofessional, A.A.S., Odessa College

Judith A. Cornes

Professor of English, B.A., M.A., University of Missouri; Ph.D., Southern Illinois University

Laura A. Cralle

Instructor of Nursing, B.S.N., Texas Tech University; M.S.N., University of Texas at El Paso

S. Lynn Dammann

Department Chair and Associate Professor of Physical Therapist Assistant, B.S., University of Texas Medical Branch, School of Allied Health Sciences - Galveston

Tommy Darland

Golf Coach and Instructor of Physical Education, A.A., Weatherford College; B.S., Texas Tech University

Johnna M. Davila

Instructor of Radiologic Technology, A.A.S., Odessa College

Juri O. Davis

Department Chair of Automotive Technology and Diesel Mechanics and Associate Professor of Automotive Technology, A.S., Angelina College; B.S., Wayland Baptist University

Wanda Davis

Instructor of Nursing, A.A.S., Odessa College; B.S.N., Texas Tech University Health Sciences Center; M.S.N., University of Texas at El Paso

Brian K. Dille

Professor of Government, B.A., Illinois State University; M.A., University of Texas at Austin; Ed.D., Texas Tech University

Billie B. Duncan

Associate Professor of Office Systems Technology, A.A.S., Odessa College; B.S., M.Ed., Sul Ross State University

Daphne A. Eastman

Instructor of Government, B.S., M.A., Northern Arizona University

Darlyne Ervin

Department Chair and Instructor of Speech, B.A., M.A., Texas Tech University

Elizabeth Essig

Instructor of Respiratory Care, A.A.S., Maricopa County Community College

Jack R. Felts

Associate Professor of Business Administration, B.B.A., M.B.A., University of Texas of the Permian Basin

James M. Fields

Professor of Mathematics, B.S., West Texas State University; M.S., Michigan State University; Ed.D., Nova University

Linda Frv

Assistant Professor of Computer Information Systems, B.S., M.B.A., University of Texas of the Permian Basin

Steven Goff

Department Chair of Mass Communications and Assistant Professor of Photography, B.F.A., M.F.A., Ohio University **Terry Gouley**

Assistant Professor of Culinary Arts, A.A.S., Odessa College

Mary Hanson

Instructor of Child Development, B.S., Angelo State University; M.A., University of Texas of the Permian Basin

Gloria Hearne

Instructor of Respiratory Care, A.A.S., Odessa College

Thomas J. Heiting

Professor of History and Government, B.A., Marquette University; M.A., New Mexico Highlands University; Ph.D., Texas Tech University

Jane Hellinghausen

Instructor of Sociology, B.A., M.A., Texas Tech University

Rebecca Hennig

Instructor of Biology, B.S., Tarleton State University; M.S., Texas Tech University

Truett L. Hilliard

Professor of History and Philosophy, B.A., M.A., Eastern New Mexico University

Kenneth Hines

Instructor of Physical Education and Wellness Director, B.S., Lubbock Christian University; M.Ed., Texas Tech University

Lou Ann Hitt

Professor of Cosmetology, B.S.O.E., Wayland Baptist College, M.S., East Texas State University

Patricia L. Hodges

Instructor of Physical Education and Community Recreation, B.F.A., M.F.A., Southern Methodist University

Kathryn Hoppe

Department Chair and Professor of Music, B.Mus., M.Mus., Indiana University, Ph.D., University of Texas at Austin

Phyllis Howard

Associate Professor of Emergency Medical Technology, A.A.S., Odessa College; B.S.N., West Texas State University

Betty Jo Hudson

Department Chair and Assistant Professor of Physical Education, B.S., Texas A&I University; M.A., Sul Ross State University **Lucinda Huribut**

Department Chair and Instructor of Child Development, B.S., Texas Tech University

Don Jacobs

Department Chair and Instructor of Psychology, B.S., M.L.A, Southern Methodist University

James O. Johnson

Assistant Professor of Biology, B.A., B.S., Texas Lutheran College; M.S., University of North Texas

Wayne Johnson

Assistant Professor of English, B.A., East Central Oklahoma; M.A., Texas Tech University

James P. Jordan

Department Chair of Human Services and Assistant Professor of Computer Information Systems, B.A., Angelo State University; M.P.A., Angelo State University

Mark Jordan

Assistant Professor of English, B.A., University of Texas at Austin; M.A., University of Houston

Patty Jordan

Assistant Professor of Nursing, A.D.N., Angelo State University; B.S.N., M.S.N., University of Texas at El Paso

Ulrike Kalt

Associate Professor of English, M.A., Johannes Gutenberg University; M.A., York University

Dick K. Kennedy

Department Chair and Professor of Economics and Government, B.S., M.A., West Texas State University; Ed.D., Nova University

Stephanie Kern

Professor of Mathematics, B.S., University of Central Oklahoma; M.T., University of Arizona, Ph.D., University of North Texas

Ashok Khosla

Professor of Physics, B.S., Delhi University; M.S., Purdue University; Ph.D., Rensselaer Polytechnic Institute

Jack E. Kitzmiller

Assistant Professor of Government, B.A., University of North Texas; M.A., University of Texas at Arlington

Sudhir Kudesia

Associate Professor of Biology, B.Sc., University of Allahabad, India; M.B., B.S. (M.D.), University of Lucknow, India

Daryl Lane

Professor of English, B.A., University of San Francisco, M.A., University of Wisconsin at Milwaukee; Ph.D., University of New Mexico

Carolyn Sue Leach

Department Chair and Associate Professor of Radiologic Technology, A.A.S., Odessa College; B.S., Midwestern University; (A.A.R.T.)

Peter Lewis

Department Chair and Associate Professor of Culinary Arts, Diploma in Culinary Arts, Culinary Institute of America; B.A., University of Maryland; M.E., Sam Houston State University

Annie Littlefield

Law Enforcement/Criminal Justice Paraprofessional, A.A., A.S., Odessa College

Johnnie Luttreil

Instructor of Cosmetology, A.A.S., Odessa College

Sidney Lyle

Department Chair and Professor of Law Enforcement/Criminal Justice, A.A., Odessa College; B.A., University of Texas of the Permian Basin; M.A., Liberty University

Peggy Manning

Associate Professor of Physical Therapist Assistant, B.S., University of North Carolina

LeeDon Martin

Department Chair and Instructor of Emergency Medical Technology, A.A.S., Odessa College

Eva M. Mauldin

Assistant Professor of Nursing, B.S.N., Northwestern State University; M.A., University of Texas of the Permian Basin

G. Brent McAfee

Department Chair and Associate Professor of Geology, A.A., Odessa College; B.S., M.A., Sul Ross State University

James E. McKown

Assistant Professor of Law Enforcement/ Criminal Justice, A.A., Eastern Arizona College

Annette McMinn

Associate Professor of Clinical Laboratory Sciences, B.S., Texas Tech University; M.S., University of Texas of the Permian Basin

James McPherson

Department Chair and Assistant Professor of Drafting Technology, B.S., M.S., East Texas State University

Willard J. Mears

Associate Professor of Computer Information Systems, B.S., Texas Tech University; M.S., University of Houston

Anne Mitchell

Department Chair and Instructor of Kermit Vocational Nursing Program, A.A., Grayson County College; A.A.S., Grayson County College; B.S.N., Texas Tech University Health Sciences Center

DeAnna Moore

Instructor of Nursing, A.D.N., El Centro College

Elloui Moseley

Assistant Professor of Reading, B.S.Ed., University of Oklahoma; M.A., University of Tulsa

Robert M. Munoz

Department Chair of Management and Business Administration and Instructor of Management, A.A.S., Odessa College; B.S. University of Texas at El Paso

Dan Neagle

Associate Professor of Business Administration, B.A., University of Northern Iowa; M.Ed., University of Texas at Tyler; M.S., East Texas State University; C.P.A.

Connie Nichols

Instructor of Management, B.B.A., Texas Tech University

Yancy Nunez

Instructor of Mathematics, B.S., M.S., Texas Tech University

Edwin Barry Phillips, Jr.

Professor of Art, B.S., M.Ed., Texas Tech University

Edwin Barry Phillips III

Department Chair and Instructor of Art, B.A., Texas Tech University; M.F.A., East Texas State University

Janet R. Phillips

Assistant Professor of Nursing, R.N., B.S., Texas Woman's University; M.A., University of Texas of the Permian Basin

Ned Pilcher

Department Chair and Associate Professor of English, B.A., Texas Tech University; M.A., West Texas State University

Robert B. Porter

Professor of History and Sociology, B.S., M.A., Eastern New Mexico University

Lynn Reese

Assistant Professor of Petroleum Technology, B.S., University of Texas of the Permian Basin

Ivanov Reyez

Assistant Professor of English, B.A., Texas A&I University; M.A., University of Texas of the Permian Basin

Patricia C. Ritchey

Assistant Professor of Nursing, A.A.S., Odessa College; B.S.N., M.S.N., University of Texas at Arlington

James D. Roberts

Associate Professor of Petroleum Technology, A.S., Grayson County College; B.S., Texas A & M University

Robbie Rogers

Assistant Professor of Nursing, R.N., A.A.S., Odessa College; B.S.N., West Texas State University; M.A., University of Texas of the Permian Basin

Clarice Rowland

Assistant Director, Coordinator of RN-Evening-Direct Option Program and Assistant Professor of Nursing, B.S.N., Texas Tech University Health Sciences Center; M.S.N., University of Texas at El Paso

William Rutherford

Associate Professor of Government and Economics, B.A., Howard Payne College; M.A., University of Texas of the Permian Basin; Ed.D., Texas Tech University

Leola K. Rutledge

Department Chair and Associate Professor of Surgical Technology, A.A.S., Odessa College; B.S.N., Texas Tech University Health Sciences Center

Mona R. Sandlin

Reading Paraprofessional, B.S., Texas Tech University

Sonny Sansom, R.R.T.

Lecturer of Respiratory Therapy

Geoffrey J. Schwende

Associate Professor of Law Enforcement, B.S., John Jay College of Criminal Justice

James Sheehan, M.D.

Medical Director of Radiologic Technology, B.A., Loyola College, Montreal, Quebec, Canada; M.D., McGill University, Montreal, Quebec, Canada

Darren Shelton

Chemistry Paraprofessional, B.S., Sul Ross State University

Mitch Slusher

Department Chair and Associate Professor of Computer Science and Computer Information Systems, B.S., University of Texas of the Permian Basin; M.S., Texas A&M University

Clyde F. Smith

Department Chair and Professor of Biology, B.S., M.S., University of Illinois; Ph.D., Cornell University

Donna C. Smith

Assistant Professor of English, B.A., Texas Tech University; M.A., University of Texas at Austin

Joel D. Smith

Department Chair and Associate Professor of Clinical Laboratory Sciences, B.A., M.T. (A.S.C.P.), University of Texas at Austin

Steve Sofge

Instructor of Biology, A.S., Odessa College; B.S., Texas Tech University; M.S., University of Texas of the Permian Basin

Nancy S. Stewart

Department Chair and Associate Professor of Office Systems Technology, Department Chair of Legal Assistant, B.B.A., Baylor University

Glynna Strait

Professor of Mathematics, B.S., Sul Ross State University; M.S., Texas Tech University; Ed.D., Texas Tech University

Margaret Street

Associate Professor of Mathematics, B.S., M.A., Texas Tech University

Linda Sullivan

Department Chair and Associate Professor of Cosmetology, A.A.S., Odessa College; B.S.O.E., Wayland Baptist University

Charles E. Sweatt

Professor of Mathematics, B.S., M.S., West Texas State University; Ed.D., Nova University

Randy Talley

Choral Director and Instructor of Music, B.M.E., M.M., West Texas State University

E. Don Taylor

Department Chair and Professor of Chemistry, B.S., University of Texas at Austin; Ph.D., Texas Tech University

Theresa Vaughn

Instructor of Cosmetology, A.S., Midland College

Scott Walkinshaw

Women's Track Coach and Instructor of Physical Education, B.A., M.A. Brigham Young University

Stacy S. Wallis

Instructor of Vocational Nursing, Kermit Vocational Nursing Program, A.A.S., Amarillo College **Naomi Warren**

Assistant Professor of Nursing, A.A.S., Arkansas State University; B.S.N., University of Texas at Arlington; M.S., Texas Woman's University

Carla Wells

Assistant Professor of Psychology, B.S., University of Texas at Austin; M.S., Texas Woman's University

Charlotte Whitaker

Professor of Music, B.M.E., M.M.E., Ph.D., Texas Tech University

Michael White

Professor of English, B.A., M.A.T., Angelo State University; Ph.D., University of North Texas

Virginia Lynn Whitson

Assistant Professor of English, B.A., M.A., University of Texas of the Permian Basin

Gregory D. Williams

Director of Enrollment Management and Associate Professor of Psychology, B.A., M.A., M.Ed., University of Texas of the Permian Basin

Pamela R. Williamson

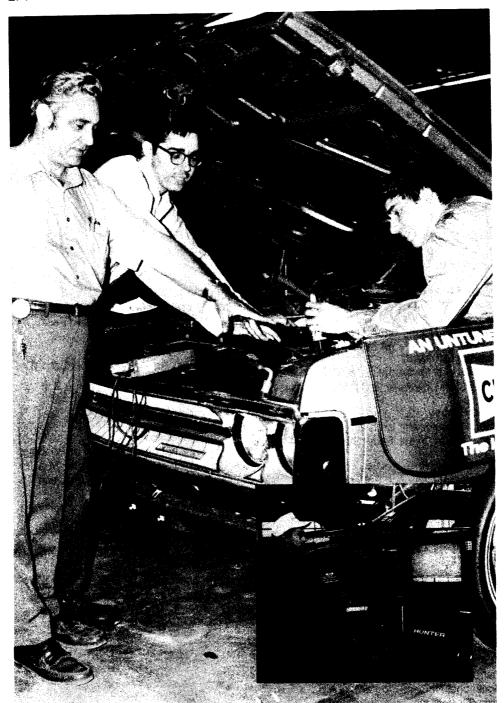
Department Chair and Instructor of Reading, B.A., University of Texas at El Paso; M.A., University of Texas of the Permian Basin

Joseph A. Willis

Instructor of Speech, B.A., Eastern New Mexico University; M.A., Texas Tech University

Rick Zimmerman

Baseball Coach and Instructor of Physical Education, B.S., M.S., Fort Hays, Kansas State College

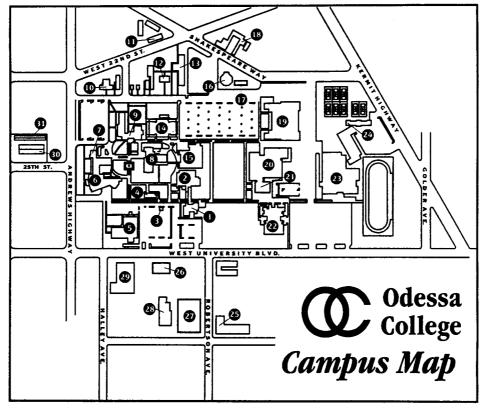


INDEX

	Absences and Class Attendance31	Career Development2	:65
	Academic Advising &Scholastic Planning19	Career Services Center	51
_	Academic Guidelines31	Catalog Applicability	38
	Accounting75, 77	Certificate of Completion9,	41
	Accreditation10	Certificate of Technology8,	
_	Add/Drop31	Change of Address	
	Address Change20	Chemistry	
	Administration264	Child Development	81
	Administrative Withdrawal32	Children's Center47, 2	
	Admission Information12, 26	Choir	
	Admissions to Selected Programs 17	Class Attendance	31
	Adult Basic Education47	Class Load	31
	Advance Registration	Classification of Students	31
	Advanced Standing Examinations 32	CLEP	
	Agriculture57	Clinical Laboratory Sciences	
	Air Conditioning Technology143	Clubs and Organizations	52
	Alcohol & Drug Abuse147	College Staff2	25
	Anthropology142	College Work-Study Program	20
	Aquatics	Commercial Photography2	20 110
	Art 59	Community Recreation49, 2	. 10
	Art Shows	Community Service Courses49, 2	
40			
	Articulation	Computer Services2	
_	Associate in Applied Science	Computer Information Systems	91
	Associate in Arts Degree	Computer Science	96
	Associate in Science Degree7, 39	Concurrent Enrollment12,	15
_	Associate in Science in	Continuing Education17, 46, 2	
	General Studies Degree8, 40	Continuing Education Registration	19
	Athletics	Cosmetology	98
	Auditing20	Costs	
	Automotive Technology and Diesel Mechanics	Counseling/Counseling Center 51, 2	65
	Diesel Mechanics63	Credit by Examination	32
	Awards of Institutional Recognition41	Criminal Justice1	50
ź.		Culinary Arts1	02
	Band53	Curriculum2	64
	Baseball49, 228, 229		
_	Basketball48, 227, 229	Data Processing	91
	Bible Classes257	Degree Application	38
	Biology69	Degrees and Certificates7,	38
	Board of Trustees264	Degree Requirements	39
	Bookstore265	Dentistry	8
	Broadcasting Courses172	Department Chairs2	
	Building Trades72	Developmental Education 45, 108, 264, 2	
	Business Administration75	Diesel Mechanics	63
_	Business Affairs264	Directory Information	20
	Business Incubator47	Disabled Students	54
	Business Law76	Distance Education	44
_	Business Mathematics178, 179	Documentation of Residency	13
_	Business Office265	Dormitory Facilities	53
	Business Training46	Drafting Technology1	13
	•	.	
	Cafeteria53	Early Admissions12,	15
	Calendar2-3	Economics2	
	Campus Employment28	Education, Course of Study1	17
	Campus Map278	Electrical and Electronics Technology 1	
-	Campus Parking54	Elementary Education1	17
	Campus Police	Emergency Medical Technology1	23
7			_•

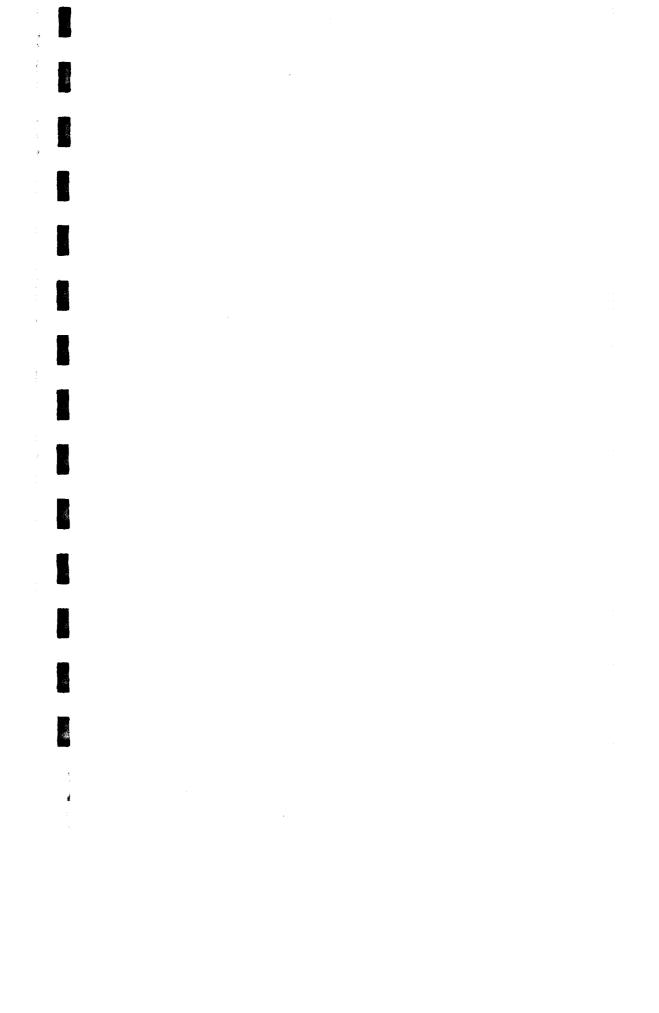
Emergency Messages54	Interim Session42
Engineering8, 127	International Students12, 16
English129	Intramurals52
Enrollment Management51, 265	
Equal Opportunity15	Keyboarding210
Evening Classes42	Lab Fees24
Extension Centers44	Late Registration19
	Latin
Extension Registration19	Law Enforcement Academy154
Faculty	Law Enforcement/Criminal Justice 150
Federally-Insured Loans28	
	Leadership Development
Fees	Learning Resources Center44, 266 Legal Assistant161
Financial Information21	Loans
	Loans20
Fire Fighter Academy	Machine Technology 190
Fire Technology	Machine Technology
Food Service53	Management166
Foreign Languages129, 132	Map278
French	Marketing Management167
100	Mass Communication
GED Examination47. 52	Mathematics
Geography143	Math Lab110
Geology141	May Semester
German134	Media Relations and Publications265
Golf48, 226, 229	Medical Laboratory Technology86
Government256	Medicine8
Grade Changes35	
Grade Point Average33	Metal Trades Technologies180
Grades33	Midwinter Session42
Graduate Guarantee38	Military Experience37
Graduation Requirements38	Miscellaneous Fees25
Graduation with Honors33	Mission Statement4
Grants27	Music 187
Health Education222	Non-Credit Courses17, 46
Heating, Ventilation, Air Conditioning 143	Non-Credit Registration19
History256	Non-Work-Study Jobs28
History of Odessa College4	Nursing193
Honor Roll32	
Housing53	Occupational Programs46
Human Development213	Occupational Safety and
Human Resources266	Health Technology203
Human Services147	Odessa, Texas6
Humanities59, 60	Off Campus Registration
Identification Cards54	Office Systems Technology206
Immunizations16	Oil and Gas Technology213
Incomplete Grades35	Operating Room Technology260
Individual Approval Students12	Opportunity Grant27
Informational Services266	Optometry8
Institutional Advancement	Orientation 17, 213
Institutional Recognition41	D. Ha
Institutional Research & Effectiveness 264	Parking54
Instructional TV45, 266	Payment Policies26

K	Pell Grant27	Special Projects5
_	Petroleum Technology213	Speech113, 25
	Pharmacy8	Sports Center4
	Philosophy257	Spring Semester4
	Phlebotomy88	Staff26
_	Photography218	Statement of Purpose4,
	Physical and Health Education222	Student Activity Center5
	Physical Plant266	Student Classification3
	Physical Therapist Assistant232	Student Financial Services27, 26
	Physics235	Student Food Services5
	Pre-Dentistry8	Student Forum5
	Pre-Law8	Student Housing5
	Pre-Medical8	Student Incentive Grant2
	Pre-Professional Courses8	Student Information Center5
	Pre-Veterinary Medicine8	Student Life51, 26
	President's Office	Student Records2
	Prison Guard Training 151, 153	Summer Session4
	Private Instruction Fees25	Support Staff
	Probation Policy34	Surgical Technology26
	Psychology237	Suspension Policy3
	Pyote Extension Center44	Cuopandion i olloy
	Fyole Extension Center44	TASP Testing,1
	Radio-Television Courses172	Team Sports22
	Radio/TV Stations45, 266	Tech Prep 18, 37, 63, 81, 166, 193, 26
	Radiologic Technology242	Technical Programs4
	Reading112, 248	Telecourses4
_	Reading Lab112, 246	Television Courses
		Television Courses
	Refrigeration and Air Conditioning 143	
	Refund of Tuition26	Testing Center5
	Refund Policy26	Testing Fees
	Regional Extension Center at Pyote44	Texas Public Education Grant2 Title III26
	Registered Nursing193	Tk 49,000,00
*	Registration19	Track
	Registrar264	Transcript
	Regulations Subject to	Transfer of Credit3
	Changeinside cover	Travel Fees2
		Trustees26
	Religion257	Tuition & Fees2
	Remediation Requirements18	Tuition Grants2
	Repetition of Courses35	Tutoring lab11
	Resident Classification/Status 13-14	
	Respiratory Care249	Upward Bound46, 26
	Returning Students12	
_	Rodeo48, 227, 229, 230	Valedictorian Scholarships2
		Veteran's Benefits2
	SCANS Numbers56	Veterinary Medicine
	Schedule Changes26, 31	Vice President for Instruction26
_	Scholarships29	Vocational Nursing19
	Scholastic Probation34	
	Scholastic Standards34	Welding Technology18
	Scholastic Suspension34	Withdrawal From College26, 3
	Second Degrees38	Word Processing211, 21
	Secondary Education117	Work-Study Program2
	Social Sciences254	Writing Lab10
	Sociology237	
	Spanish134	X-Ray Technology24
	•	



- Administrative Wing
 Student Union Building/Bookstore
 Continuing Education Drive-Thru Registration Booth
- Student Activity Center-Travis Hall
 Jack Rodgers Fine Arts Center
- 6. Deaderick Hall
- 7. KOCV TV/KOCV FM
- 8. Learning Resources Center
- 9. Baskin Hall
- 10. Wrangler Hall
- 11. Custodial Department, Shipping & Delivery
- 12. Baptist Student Union
- 13. Parker Downs Hall
- 14. Wilkerson Hall
- 15. Gymnasium/Gymnastics Center
- 16. Globe of the Great Southwest

- Anne Hathaway Cottage
 Physical Plant/Transportation
 Electronics Technology Department
- 20. Sedate Hall
- 21. Children's Center
- 22. Composite Technology Building 23. Sports Center
- 24. Tennis Center
- 25. Construction Department
- 26. Continuing Education Annex A
- 27. Continuing Education Annex B 28. Continuing Education Annex C
- 29. Cosmetology Building
 30. Haley Diesel Mechanics Center
- 31. Auto Mechanics Center



		2 25
		· 集
		i.
		T_{\perp}

APPLICATION FOR ADMISSION



First

Name: Last

DO NOT WRITE IN THIS SPACE

Admissions Office

201 W. University Odessa, Texas 79764

	OFFICE USE ONLY	
es	ClassificationVISA	

Date

	Name (full legal name):La			Fire	st	Middle	Ot	her Names
	Other name(s) (cont'd)		(2	Phone (_)	Home	_ (Work
	Social Security Number		1		(4) E-	Mail Address		
	Permanent Address Street or P.O. Box		City		Count	.	04-4-	77-0-4
	Street or P.O. Box How long have you lived at your permanent ad	ldress?		Months		ıy ın 24 months, g	State to #6.	Zip Code
	Local Address (if different than permanent)						,	
	Street or P.O. Box List addresses last 24 months (two years):		City		Count	ty	State	Zip Code
	Address	City		State	Zip		From	(date) to (date)
	Address	City		State	Zip		From	(date) to (date)
	Address	City		State	Zip		From	(date) to (date)
1	Date of Birth// Age Mo Day Year	_ Place of B	irth		City and S	State		<u>=</u>
	Sex:	e with federal	guidelines.)((Check one)				
)		<u> </u>	Black - Non-l	Check one) Hispanic origin Iian or Alaskan		(3) His	-	t (International)
)	Ethnic Background (Requested in compliance (1) White - Non-Hispanic origin (4) Asian or Pacific Islander Are you a U.S. citizen? (1) Yes (1) No	(2) (3) (5) (4)	Black - Non-h American Ind	lispanic origin lian or Alaskan	Native	_ ` ` `	n-residen	
)) 	Ethnic Background (Requested in compliance (1) White - Non-Hispanic origin (4) Asian or Pacific Islander Are you a U.S. citizen? (1) Yes (1) No	(2) to (5)	Black - Non-H American Ind	lispanic origin lian or Alaskan	Native	☐ (6) Nor	n-residen	e
)) 	Ethnic Background (Requested in compliance (1) White - Non-Hispanic origin (4) Asian or Pacific Islander Are you a U.S. citizen? Permanent Resident Alien? Number	(2) to (5) /	Black - Non-l American Ind Place zenship	dispanic origin lian or Alaskan e Obtained	Native	(6) Nor	n-residen Dat	e
)) 	Ethnic Background (Requested in compliance (1) White - Non-Hispanic origin (4) Asian or Pacific Islander Are you a U.S. citizen? Yes No Permanent Resident Alien? Number International Applicant?	(2) (3) (5) (5) (7) (5) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	Black - Non-H American Ind Place zenship	dispanic origin lian or Alaskan e Obtained	Native	☐ (6) Nor	n-residen	
))	Ethnic Background (Requested in compliance of the compliance of th	(2) I	Black - Non-H American Ind Place zenship	dispanic origin lian or Alaskan e Obtained	City	(6) Nor	n-residen Dat	e
))	Ethnic Background (Requested in compliance (1) White - Non-Hispanic origin (4) Asian or Pacific Islander Are you a U.S. citizen? Yes No Permanent Resident Alien? Number International Applicant? Did you graduate from high school: Yes Yes You did not graduate from high school,	Country of Citiz Name of Sch Yes Versity?	Black - Non-H American Ind Place zenship nool o	dispanic origin lian or Alaskan e Obtained Date of Gra Date GED of Gra Date GED of Gra Date GED of Gra Date GED of Gra	City duation:	Month/Year Month/Year all colleges atte	n-residen Dat Type Coui	nty Sta
))	Ethnic Background (Requested in compliance (1) White - Non-Hispanic origin (4) Asian or Pacific Islander Are you a U.S. citizen? Yes No Permanent Resident Alien? Number International Applicant? Uity School last attended: Did you graduate from high school: Yes you did not graduate from high school, have you successfully completed the GED? Have you attended any other college or unity yes, please complete the spaces that follow,	Country of Citiz Name of Sch Yes Versity?	Black - Non-HAmerican Ind Place zenship nool No Yes No st recent colle d are require	dispanic origin lian or Alaskan e Obtained Date of Gra Date GED of Gra Date GED of Gra Date GED of Gra Date GED of Gra	City duation: received: ty first. List	/ (6) Nor Visa Month/Year	n-residen Dat Type Coui	e
))	Ethnic Background (Requested in compliance of the compliance of th	Country of Citiz Name of Sch Yes Versity?	Black - Non-HAmerican Ind Place zenship nool No Yes No st recent colle d are require	dispanic origin lian or Alaskan e Obtained Date of Gra Date GED of GED	City duation: received: ty first. List	Month/Year Month/Year all colleges atte	n-residen Dat Type Coui	nty Sta
))	Ethnic Background (Requested in compliance of the compliance of th	Country of Citiz Name of Sch Yes Versity?	Black - Non-HAmerican Ind Place zenship nool No Yes No st recent colle d are require	dispanic origin lian or Alaskan e Obtained Date of Gra Date GED of GED	City duation: received: ty first. List	Month/Year Month/Year all colleges attended	n-residen Dat Type Coui	nty Sta
2) 2) 33) 1) 5)	Ethnic Background (Requested in compliance of the compliance of th	Country of Citiz Name of Sch Yes Versity?	Black - Non-HAmerican Ind Place zenship nool No Yes No st recent colle d are require	dispanic origin lian or Alaskan e Obtained Date of Gra Date GED of GED	City duation: received: ty first. List	Month/Year Month/Year Month/Year all colleges atte Dates Attended	n-residen Dat Type Coui	nty Sta
2) 33) 4)	Ethnic Background (Requested in compliance of the compliance of th	Country of Citize Name of Sch Yes Versity?	Black - Non-h American Ind Place zenship No No Yes	dispanic origin lian or Alaskan e Obtained Date of Gra Date GED in ege or universi d. cation (City, Si	City duation: received: ty first. List	Month/Year Month/Year Month/Year all colleges attended to to to	n-residen Dat Type Coui	nty Sta

Signature of Applicant

APPLICATION FOR ADMISSION



First

DO NOT WRITE IN THIS SPACE

Admissions Office

201 W. University Odessa, Texas 79764

OFFICE USE ONLY					
Res	Classification	VISA			

PLE	EASE PRINT					
(1)	Name (full legal name):	ast	Firs	t Mid	dle Oi	her Names
	Other name(s) (cont'd)		(2) Phone (_)	()
(3)	Social Security Number III			Home (4) E-Mail Add	iress	Work
(5)	Permanent Address					
•	Street or P.O. Box How long have you lived at your permanent	,		County If less than 24 more	State	Zip Code
(6)	Local Address (if different than permanent)		isworlds	11 1955 U IAN 24 I IIO	iuis, go to #o.	
(7)	Street or P.O. Box List addresses last 24 months (two years):	,	,	County	State	Zip Code
	Address	City	State	Zip	From	(date) to (date)
	Address	City	State	Zip	From	(date) to (date)
	Address	City	State	Zip	From	(date) to (date)
(8)	Date of Birth/ Age	Place of Birth		City and State		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(11)	Ethnic Background (Requested in compliar (1) White - Non-Hispanic origin (4) Asian or Pacific Islander Are you a U.S. citizen? Yes No Permanent Resident Alien? Number	(2) Black -	Non-Hispanic origin an Indian or Alaskan	Native	•	t (International)
	International Applicant?	Country of Citizenship				
(12)	High School last attended:			0.1	<u> </u>	-t. Ototo
(13)	Did you graduate from high school:	Name of School Yes	Date of Grad	City duation:	Cou	nty State
	If you did not graduate from high school, have you successfully completed the GEU	_	No Date GED re	Month		
(15)	Have you attended any other college or use if yes, please complete the spaces that follow NOTE: Official transcripts from all previous of	v, listing the most recer	nt college or university	y first. List all colleg	es attended.	
_	Name of College/University		Location (City, Sta		Dates ttended	Degree/Certificate Received
<u> </u>					to	
\vdash					to	
L						
	Are you eligible at this time to return to the	_		_	JYes 🗇 N	_
(17)	Expected date of enrollment:	ear Semester:	☐ Fall ☐ Mid	winter D Spring	J SSI	□ ssii
	essa College does not discriminate on the basi rtify that all answers given are complete and a				ee to abide by a	all rules
	regulations of Odessa College.					
		Sig	nature of Applicant			Date

TASP INFORMATION

- All students must take the TASP test prior to completing nine hours of non-remedial coursework. Students may not enroll in non-remedial coursework beyond the ninth semester hour without having taken the TASP test. Failure to do so will result in complete withdrawal from school.
- 2. Students must have all TASP scores sent to Odessa College from National Evaluation Systems, Inc.
- Students who fail any portion of the TASP test must enroll in and participate in a remedial class in at least one of the areas failed. Failure to do so will result in complete withdrawal from school.
- Concurrent Enrollment/Early Admissions students who take the TASP test and fail any part of the test may not enroll in courses at Odessa College.

I understand the TASP state regulations regarding the credit hour limit and remediation required, if necessary, as indicated by my test scores.

I also understand the consequence of non-compliance with state TASP requirements.

AUTHORIZATION FOR RELEASE OF TASP TEST SCORES

I also authorize Odessa College to obtain my TASP Test scores from National Evaluation Systems, Inc. I hereby knowingly, freely, and voluntarily waive any right or cause of action arising as a result of the transmission of my test scores from which any liability may or could accrue to the Texas Higher Education Coordinating Board, the State of Texas, any other governmental body, institution of higher education, or corporate entity which was associated with the transmission of the requested information. I understand that, upon request, Odessa College will provide me with a copy of my TASP Test scores received from National Evaluation Systems, Inc. I further understand that I have the right to challenge the accuracy of the transmitted scores.

Signature:	Date:

Residency Issues

1.	(a)	Are you a U.S. Citizen?	Yes	□ No	6. Oath of Residency	
	(b)	If not a citizen, do you hold Permanent for the U.S.?	t Residence status Yes	□ No	I understand that information submitted herein will be relied upon by college/university officials to determine my status for admission and residency	
		If yes, date permanent resident card is	sued:		eligibility. I authorize the college/university to verify the information I have provided. I agree to notify the property	
		Number:	officials of the institution of any changes in the information provided. I certify that the information			
2.	ls T	exas your state of legal residence?			this application is complete and correct and understan- that the submission of false information is grounds for	
	(IF	NO, GO TO NO. 6)	Yes	□ No	rejection of my application, withdrawal of any offer of acceptance, cancellation of enrollment, or appropriate disciplinary action.	
	3.	Upon whom are you basing your clasself (If checked, go to #4 below)	nim of residence st	atus? (one only)	NOTE: If you have attended school or resided ou of state, additional proof of residency may be required.	
		Parent (If checked, go to #5 below)			Military personnel/dependents must submit a copy of it or dependent's card and proof of military assignment in	
		Legal Guardian (court ordered papers	must be provided)		Texas at each enrollment. Permanent resident aliens and foreign students must submit copies of permits	
		Active duty military based in Texas			and/or visas.	
		Dependent of active duty service mem	ber based in Texas			
4.	lf y	our claim of residence status is based	d upon self, answe	r the following questions:	Signature Date	
	(a)	How long have you resided in Texas?	Years and	Months	NOTE: In order to change your residency	
	(b)	Previous state or country of residence:			classification you must submit a completed Application for Residency Reclassification, including all	
	(c)	If you came here within the past 5 year why did you move to Texas?	rs,		documentation, prior to the official census day of the relevant semester to the Registrar's office.	
		☐ Education ☐ Employment	Other:	-		
5.		our claim for residence status is base ase answer the following questions:	d upon parent or le	egal guardian,		
	(a)	Name of person upon whom claim is b	ased:			
	(b)	Relationship to self:	legal guardiar	י		
	(c)	How long has this person resided in To	exas?Years a	ndMonths		
	(d)	Previous state or country of residence:				
	(e)	If this person came here within the pas why did this person move to Texas?	st 5 years,			
		☐ Education ☐ Employment	Other:			
	(f)	Is this person a U.S. citizen?	. □ No			
	(g)	Has parent or legal guardian claimed y	FOR OFFICE USE			
	19/	purposes for the tax year preceding yo			Remarks	
			Yes	☐ No	Helians	
	(h)	Will this person claim you for the curre	nt tax year?			
			Yes	☐ No		
					Approved Texas resident Yes No	
					Verified by	

·							
 en "	er.	 	K & e	4a · 44	•	~ 4	· ··

Mayoris

